

WARNING THESE ARE BETA CALCS NOTHING IS FINAL OR VERIFIED

Character	Weapon	Artifact
C0 Ayato	R5 Lion's Roar	4 TF
C5 Bennett	R5 Favonius Sword	4 NO
C6 Fischl	R5 Alley Hunter	4TS
C6 Electro Traveler	R5 HoD	4 EOSF
Rotation	Rotation	
Bennett E Q		2
Ayato Q		2
Fischl E / Q		1
EMC Q E		2
Ayato E 5N3 E 5N3		13
Total:		20

Damage	Gross	Per Second	Percentage
Ayato	346887	17344	43.07%
Fischl	276248	13812	34.30%
Electro MC	125887	6294	15.63%
Bennett	12212	611	1.52%
Electro-Charged	44119	2206	5.48%
Primary Target Damage	805353	40268	100.00%

Assumptions:
 Equal Ownership of EC across the team
 10 Fischl A4 procs, 18 EC procs
 12 Ayato Q hits scaling quadratically with # of enemies up to 3
 7 Ayato normal strings are buffed by bennett, 3 are not
 100% uptime on Thundersoother & Lion's Roar

ER Calc Made using Zakharov's ER Calc from the KeqingMains discord

The screenshot shows the ER Calc tool interface with the following data:

- Clear time (seconds): 90
- Enemy HP particles: Custom 3
- Particle RNG: Average
- Time between electro reactions (min 5s): 5.5
- Character: Bennett, Ayato, Fischl, Traveler (Electro)
- Skill cooldown: Bennett 4, Ayato 12, Fischl 25, Traveler 13.5
- Skill particles generated: Bennett 2.25, Ayato 4.5, Fischl 0.60, Traveler 1
- Turret particles per second: 24
- Turret uptime per burst: 1
- Skill uses per burst: Press 1, Constellation 6, Press 1
- Skill type: Press
- Feed particles to ally: 1
- Proportion of particles fed: 11%, 57%, 8%, 24%
- Favonius triggers per burst: 15, 20, 15, 20
- Damage from particle energy: 60, 80, 60, 80
- Time on field: 20, 20, 20, 20
- Burst cooldown: 15, 20, 15, 20
- Burst energy (cost after discount): 60, 80, 60, 80
- Time between burst uses: 20, 20, 20, 20
- Total energy recharge needed: 203%, 100%, 100%, 217%

Of Targets

2

Geonyeob#6952	Artifact	FLOWER	FEATHER	SANDS	GOBLET	CIRCLET			
	Main Stat	HP	ATK	ATK%	ELECTRO%	CR%			
	Stats	4780	311	46.60	46.60	31.10			
	Substats	Stat	Base	Distribution	Investment				
	HP	507.88	2	0	KQM				
	HP%	9.92	2	0					
	ATK	33.08	2	0					
	ATK%	19.84	4	2					
	DEF	39.36	2	0					
	DEF%	12.40	2	0					
	CR%	33.10	10	8					
	CD%	79.44	12	10					
	ER%	11.02	2	0					
	EM	39.64	2	0					
_Maxi#1776	Stats	Character Base	Weapon	Artifact Set	Artifact Stats	Bufs	Subtotal	Conversions	Total
	Name	C6 M90 Fischl	R5 Alley Hunter	4 TS	Above				
	ATK	244	565	0	344.08	851	3,121.00	0	3,121.00
	ATK%	24	27.6	0	66.44	20			
	CR%	5	0	0	64.20	0	69.20	0	69.20
	CD%	50	0	0	79.44	0	129.44	0	129.44
	DEF	594	0	0	39.36	0	707.00	0	707.00
	DEF%	0	0	0	12.40	0			
	ER%	100	0	0	11.02	0	111.02	0	111.02
	EM	0	0	0	39.64	0	40	0	40
	HP	9189	0	0	5287.88	0	15388	0	15388
	HP%	0	0	0	9.92	0			
	Electro DMG%	0	0	0	46.60	0.00	46.6	0	46.6
	DMG%	0	0	0	0	40	40	0	40
	Electro CD%	0	0	0	0	0	0	0	0
	DMG% to Electro Affected	0	0	35	0	0	35	0	35
	Enemy	Base	Debuff	Total					
	Level	100		100					
	Affected by Element			None					
	DEF	1000	0	1000					
	Electro Res%	10	-15	-5					
	Damage Calculation	Skill Summon	Skill Hit	Burst Cast	A4	C4	C6	Electro-Charged	
	Attack Type	skill	skill	burst	skill	burst	skill	reaction	
	Active Effects	-	-	-	-	-	-	-	
	Talent Level	12	12	12	-	-	-	-	
	DMG Type	Electro	Electro	Electro	Electro	Electro	Electro	Electro	
	Base ATK MV	230.88	177.6	416	80	222	30	0	
	Added ATK MV	200	0	0	0	0	0	0	
	Total Enemy DEF	1000	1000	1000	1000	1000	1000	0	
	Enemy DEF DMG Reduction	0.4871794872	0.4871794872	0.4871794872	0.4871794872	0.4871794872	0.4871794872	1	
	Enemy Resistance Multiplier	0.9	1.025	1.025	1.025	1.025	1.025	1.025	
	Total Crit Rate	0.692	0.692	0.692	0.692	0.692	0.692	0	
	Total Crit Multiplier	2.2944	2.2944	2.2944	2.2944	2.2944	2.2944	0	
Total Damage Multiplier	2.216	2.216	2.216	2.216	2.216	2.216	1.31372549		
Non-Crit Hit Damage	13066.26206	6133.655013	14367.11985	2762.907664	7667.068766	1036.090374	1736		
Average Damage	24770.03702	11627.72192	27236.10541	5237.712578	14534.6524	1964.142217	2338		
Crit Hit Damage	29979.23166	14073.05806	32963.91979	6339.215343	17591.32258	2377.205754	2338		

Geonyeob#6952	Artifact	FLOWER	FEATHER	SANDS	GOBLET	CIRCLET			
	Main Stat	HP	ATK	ATK%	HYDRO%	CR%			
	Stats	4780	311	46.60	46.60	31.10			
	Substats	Stat	Base	Distribution	Investment				
	HP	507.88	2	0	KQM				
	HP%	9.92	2	0					
	ATK	33.08	2	0					
	ATK%	9.92	2	0					
	DEF	39.36	2	0					
	DEF%	12.40	2	0					
	CR%	33.10	10	8					
	CD%	66.20	10	8					
	ER%	33.06	6	4					
	EM	39.64	2	0					
_Maxi#1776	Stats	Character Base	Weapon	Artifact Set	Artifact Stats	Bufs	Subtotal	Conversions	Total
	Name	Level 90 CD Ayat:R5	Lion's Roar	4 Echoes	Above				
	ATK	299	510	0	344.08	851	2,795.00		2,795.00
	ATK%	0	41.3	0	56.52	0			
	CR%	5	0	0	64.20	0	69.20		69.20
	CD%	88.4	0	0	66.20	0	154.60		154.60
	DEF	815	0	0	39.36	0	955.00		955.00
	DEF%	0	0	0	12.40	0			
	ER%	100	0	0	33.06	42.139	175.199		175.199
	EM	0	0	0	39.64	0	40		40
	HP	13446	0	0	5287.88	0	20068		20068
	HP%	0	0	0	9.92	0			
	Hydro DMG%	0	36	0	46.60	0	82.6		82.6
	Normal Attack%	0	0	0	0	19.5	19.5		19.5
	DMG% to Electro-Charged	0	0	40	0	0	40		40
	Enemy	Base	Debuff	Total		Effects	Noblesse Buff		
	Level	100		100		Value	162		
	Affected by Element			None					
	DEF	1000	0	1000					
	Hydro Res%	10	0	10					
	Damage Calculation	Burst Hit	Watery Illusion	eN1	eN2	eN3	eN1 - no bennett	eN2 - no bennett	eN3 - no bennett
	Attack Type	burst	skill	normal	normal	normal	normal	normal	normal
	Active Effects	A4	-	4 stacks	4 stacks	4 stacks	4 stacks	4 stacks	4 stacks
	Talent Level	9	9	9	9	9	9	9	9
	DMG Type	Hydro	Hydro	Hydro	Hydro	Hydro	Hydro	Hydro	Hydro
	Base ATK MV	112.98	186.44	97.2	108.2	119.3	97.2	108.2	119.3
	Added ATK MV	0	0	0	0	0	0	0	0
	Added HP MV	0	0	4.12	4.12	4.12	4.12	4.12	4.12
	Total Enemy DEF	1000	1000	1000	1000	1000	1000	1000	1000
	Enemy DEF DMG Reduction	0.4871794872	0.4871794872	0.4871794872	0.4871794872	0.4871794872	0.4871794872	0.4871794872	0.4871794872
	Enemy Resistance Multiplier	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	Total Crit Rate	0.692	0.692	0.692	0.692	0.692	0.692	0.692	0.692
	Total Crit Multiplier	2.546	2.546	2.546	2.546	2.546	2.546	2.546	2.546
	Total Damage Multiplier	1.826	1.826	2.021	2.021	2.021	2.021	2.021	2.021
	Non-Crit Hit Damage	2674.762166	4172.085337	3140.041244	3412.482149	3687.399789	2407.058683	2596.548887	2787.761729
	Average Damage	5536.308323	8635.515738	6499.357848	7063.264751	7632.298081	4982.207088	5374.419976	5770.198435
	Crit Hit Damage	6809.944474	10622.12927	7994.545007	8688.179551	9388.119864	6128.371407	6610.813466	7097.641361
	Reaction Damage Calculation	EC							
	Reaction Type	electro-charged							
	DMG Type	Electro							
	Raw MV	1736							
	Enemy Resistance Multiplier	0.9							
	Damage Multiplier	1.71372549							
	Damage	2677.524706							

Geonyeob#6952	Artifact	FLOWER	FEATHER	SANDS	GOBLET	CIRCLET			
	Main Stat	HP	ATK	ER%	ELECTRO%	CR%			
	Stats	4780	311	51.80	46.60	31.10			
	Substats	Stat	Base	Distribution	Investment				
	HP	507.88	2	0	KQM				
	HP%	9.92	2	0					
	ATK	33.08	2	0					
	ATK%	9.92	2	0					
	DEF	39.36	2	0					
	DEF%	12.40	2	0					
	CR%	23.17	7	5					
	CD%	66.20	10	8					
	ER%	49.59	9	7					
	EM	39.64	2	0					
_Maxi#1776	Stats	Character Base	Weapon	Artifact Set	Artifact Stats	Bufs	Subtotal	Conversions	Total
	Name	C6 Electro Traveler R1 Blackcliff	4 EOSF	Above	Bennett, Noblesse				
	ATK	212	401	0	344.08	851	2,139.00	0	2,139.00
	ATK%	24	0	0	9.92	20			
	CR%	5	28	0	54.27	0	87.27	0	87.27
	CD%	50	46.9	0	66.20	0	163.10	0	163.10
	DEF	683	0	0	39.36	0	807.00	0	807.00
	DEF%	0	0	0	12.40	0			
	ER%	100	0	20	101.39	0	221.39	0	221.39
	EM	0	0	0	39.64	0	40	0	40
	HP	10875	0	0	5287.88	0	17242	0	17242
	HP%	0	0	0	9.92	0			
	Electro DMG%	0	0	0	46.60	0	46.6	0	46.6
	Elemental Burst DMG%	0	0	0	0	0	0	55.3475	55.3475
	Enemy	Base	Debuff	Total	Effects	ER share			
	Level	100		100	Value	42.139			
	Affected by Element			Electro					
	DEF	1000		1000					
	Electro Res%	10	-15	-5					
	Ability Damage Calculation	Skill Hit	Burst Initial	Burst (base)	Burst (c6)				
	Attack Type	skill	burst	burst	burst				
	Active Effects	-	-	-	-				
	Talent Level	12	12	12	12				
	DMG Type	Electro	Electro	Electro	Electro				
	Base ATK MV	157.33	228.8	65.6	65.6				
	True Multiplier	1	1	1	2				
	Enemy DEF DMG Multiplier	0.4871794872	0.4871794872	0.4871794872	0.4871794872				
	Enemy Resistance Multiplier	1.025	1.025	1.025	1.025				
	Total Crit Rate	0.8727	0.8727	0.8727	0.8727				
	Total Crit Multiplier	2.631	2.631	2.631	2.631				
	Total Damage Multiplier	1.466	2.019475	2.019475	2.019475				
	Non-Crit Hit Damage	2463.594109	4935.35214	1415.031033	2830.062066				
	Average Damage	5970.20917	11960.20258	3429.14899	6858.29798				
	Crit Hit Damage	6481.7161	12984.91148	3722.946648	7445.893296				
	Reaction Damage Calculation	EC							
	Reaction Type	electro-charged							
	DMG Type	Electro							
	Raw MV	1736							
	Enemy Resistance Multiplier	1.025							
	Damage Multiplier	1.31372549							
	Damage	2337.643137							

Geonyeob#6952	Artifact	FLOWER	FEATHER	SANDS	GOBLET	CIRCLET			
	Main Stat	HP	ATK	ER%	PYRO%	CR%			
	Stats	4780	311	51.80	46.60	31.10			
	Substats	Stat	Base	Distribution	Investment				
	HP	507.88	2	0	KQM				
	HP%	9.92	2	0					
	ATK	33.08	2	0					
	ATK%	19.84	4	2					
	DEF	39.36	2	0					
	DEF%	12.40	2	0					
	CR%	33.10	10	8					
	CD%	79.44	12	10					
	ER%	11.02	2	0					
	EM	39.64	2	0					
_Maxi#1776	Stats	Character Base	Weapon	Artifact Set	Artifact Stats	Bufs	Subtotal	Conversions	Total
	Name				Above				
	ATK	191	454	0	344.08	0	1,246.00	0	1,246.00
	ATK%	0	0	0	19.84	20			
	CR%	5	0	0	64.20	0	69.20	0	69.20
	CD%	50	0	0	79.44	0	129.44	0	129.44
	DEF	771	0	0	39.36	0	906.00	0	906.00
	DEF%	0	0	0	12.40	0			
	ER%	126.7	61.3	0	62.82	0	250.82	0	250.82
	EM	0	0	0	39.64	0	40	0	40
	HP	12397	0	0	5287.88	0	18915	0	18915
	HP%	0	0	0	9.92	0			
	Pyro DMG%	0	0	0	46.60	0	46.6	0	46.6
	Elemental Burst DMG%	0	0	20	0	0	20	0	20
	Enemy	Base	Debuff	Total		Effects	Burst Buff		
	Level	100		100		Value	851		
	Affected by Element								
	DEF	1000		1000					
	Pyro Res%	10		10					
	Ability Damage Calculation	Tap Skill	Burst Hit						
	Attack Type	skill	burst						
	Active Effects	-	-						
	Talent Level	12	12						
	DMG Type	Pyro	Pyro						
	Base ATK MV	275.2	465.6						
	Enemy DEF DMG Multiplier	0.4871794872	0.4871794872						
	Enemy Resistance Multiplier	0.9	0.9						
	Total Crit Rate	0.692	0.692						
	Total Crit Multiplier	2.2944	2.2944						
	Total Damage Multiplier	1.466	1.666						
	Non-Crit Hit Damage	2204.103304	4237.77129						
	Average Damage	4178.373295	8033.648131						
	Crit Hit Damage	5057.09462	9723.142448						