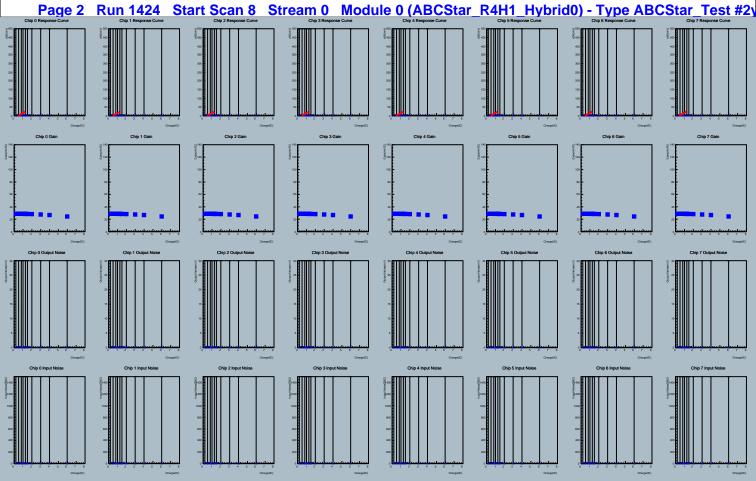
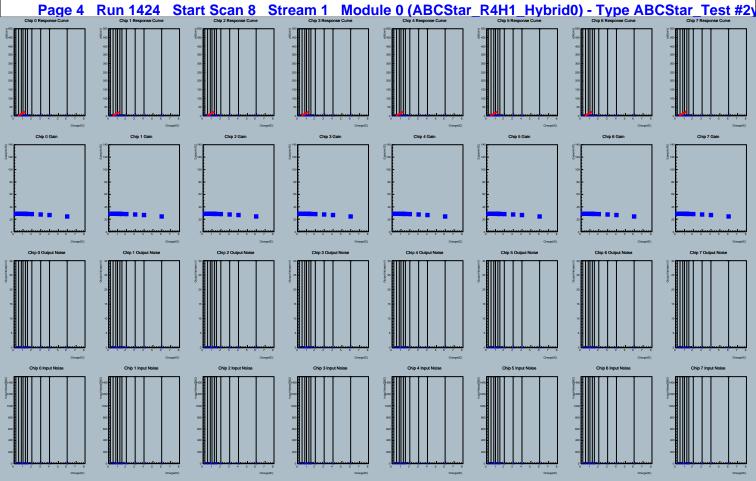
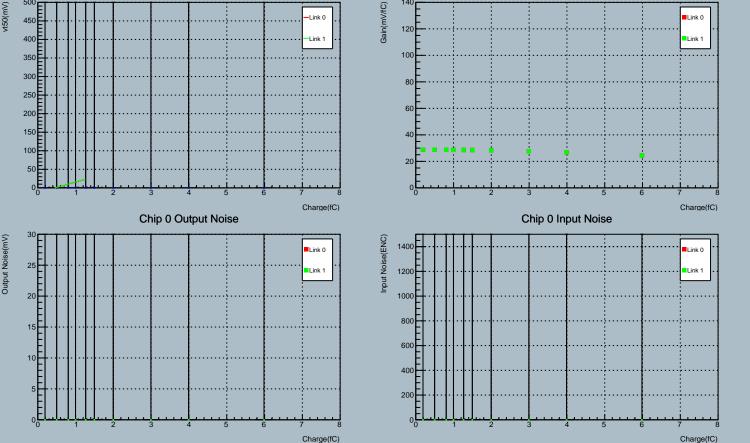
ATLAS ITk Test: Response vs. Channel - Mon Jun 27 11:53:10 2022 - TRIUMF Page 1 Run 1424 Start Scan 8 Stream 0 Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2y 250 r 150 -50 E 896 1024 Gain at 1.50fC 120 F 896 1024 Gain at 0fC 120 ⊏ 100 F 896 1024 Input Noise at 1.50fC 1400 E 400 E 896 1024 



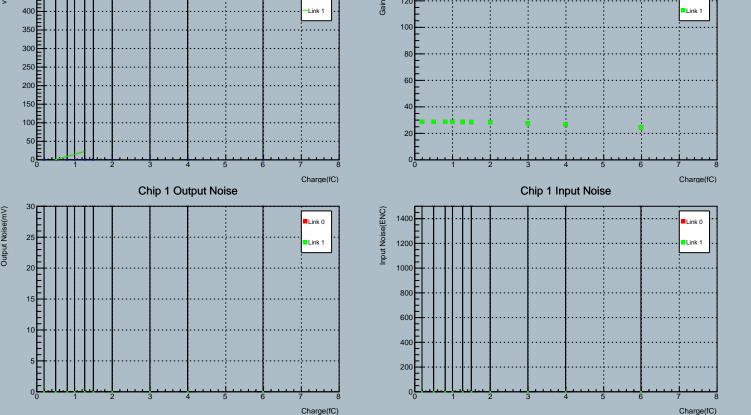
ATLAS ITk Test: Response vs. Channel - Mon Jun 27 11:53:10 2022 - TRIUMF Page 3 Run 1424 Start Scan 8 Stream 1 Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2y 50 E 896 1024 Gain at 1.50fC 120 ┌ 100 E 20 E 896 1024 Gain at 0fC 120 ⊏ 100 F 896 1024 Input Noise at 1.50fC 1400 E 400 E 896 1024 



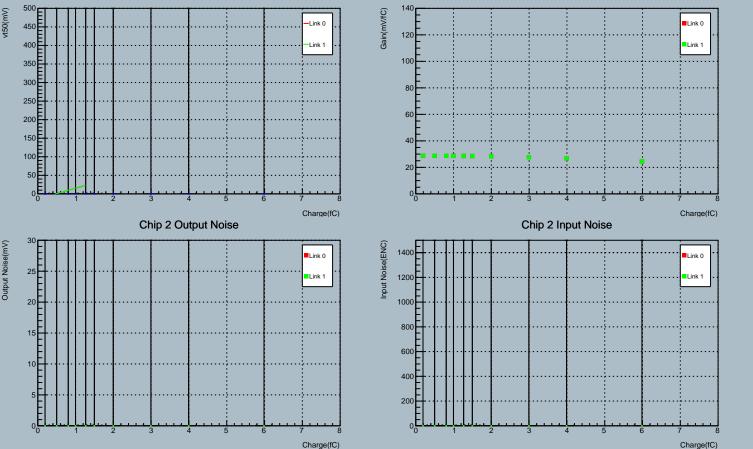
Page 4 Run 1424 Start Scan 8 Chip 0 (10) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2
Chip 0 Response Curve
Chip 0 Gain



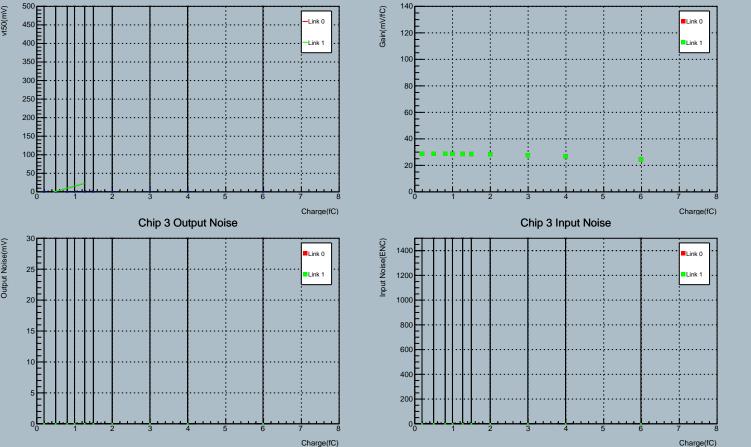
Page 5 Run 1424 Start Scan 8 Chip 1 (9) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2) Chip 1 Response Curve Chip 1 Gain 140 Sain(mV/fC) Link 0 120 Link 1 100 300 80 60 200 150 E 20 50 E Charge(fC) Charge(fC) Chip 1 Output Noise Chip 1 Input Noise



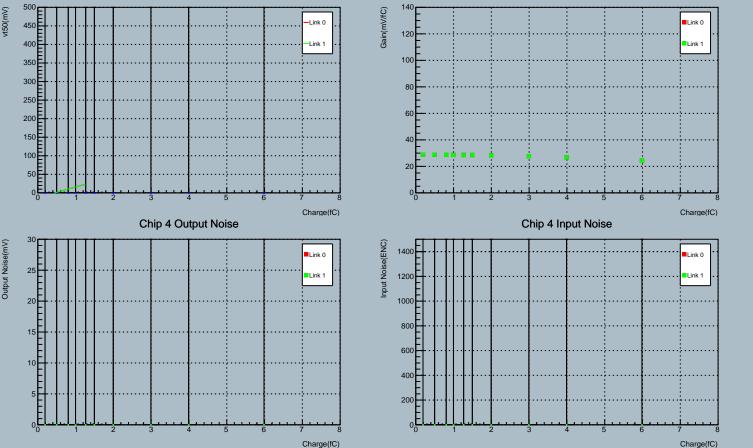
Page 6 Run 1424 Start Scan 8 Chip 2 (8) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #29 Chip 2 Response Curve Chip 2 Gain



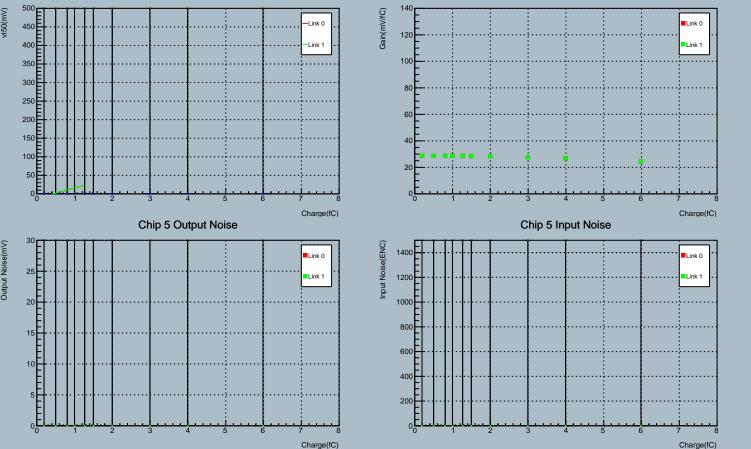
Page 7 Run 1424 Start Scan 8 Chip 3 (7) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2)
Chip 3 Response Curve Chip 3 Gain



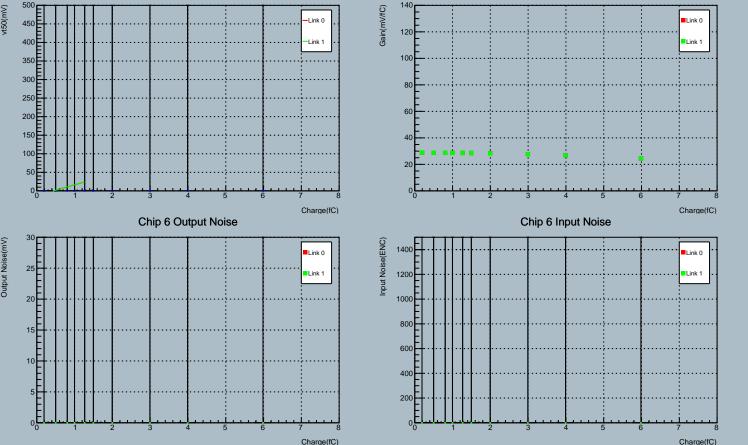
Page 8 Run 1424 Start Scan 8 Chip 4 (6) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2)
Chip 4 Response Curve Chip 4 Gain



Page 9 Run 1424 Start Scan 8 Chip 5 (5) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #29 Chip 5 Response Curve Chip 5 Gain



Page 10 Run 1424 Start Scan 8 Chip 6 (4) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2
Chip 6 Response Curve Chip 6 Gain



Page 11 Run 1424 Start Scan 8 Chip 7 (3) Module 0 (ABCStar\_R4H1\_Hybrid0) - Type ABCStar\_Test #2
Chip 7 Response Curve Chip 7 Gain

