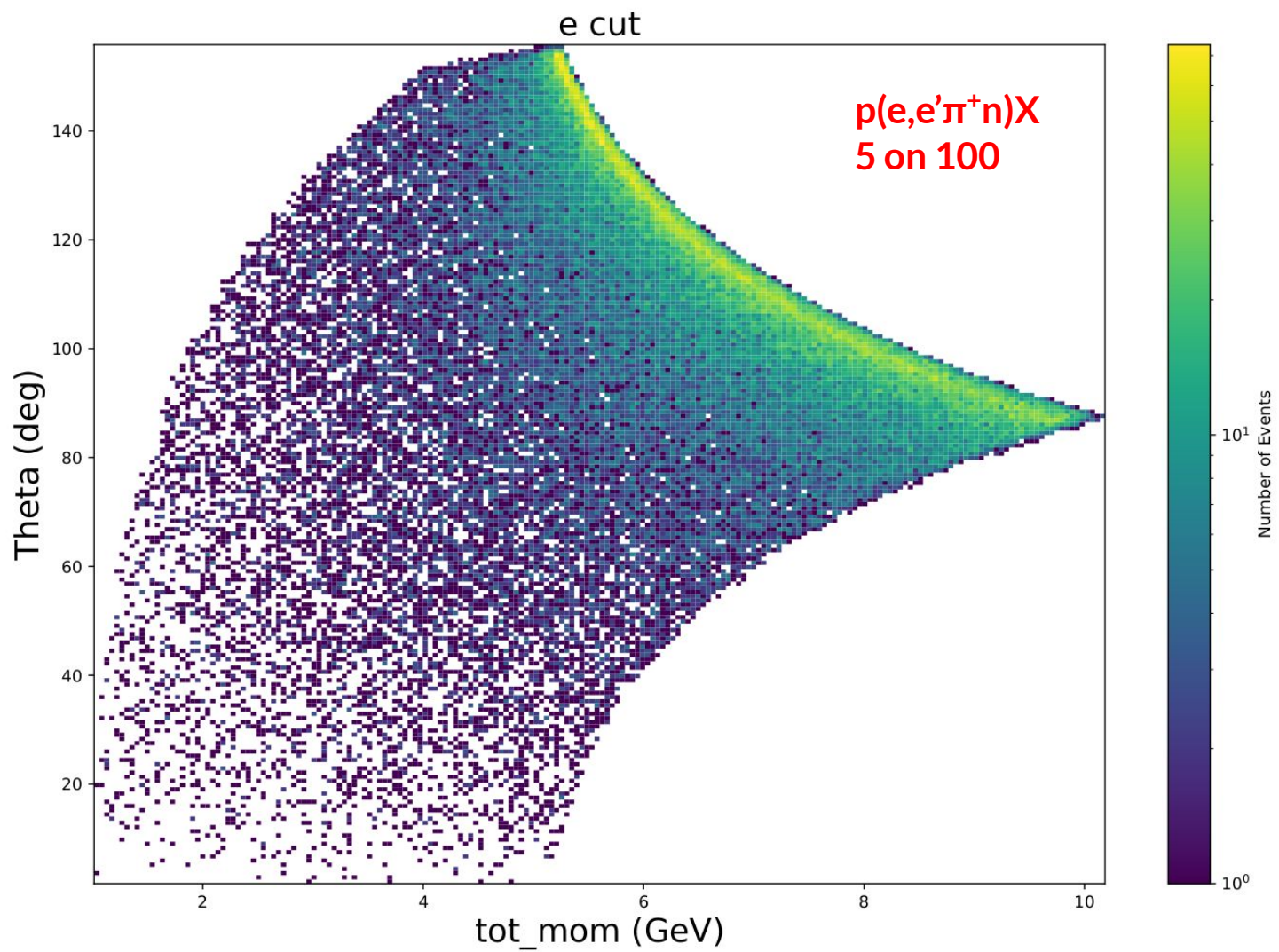




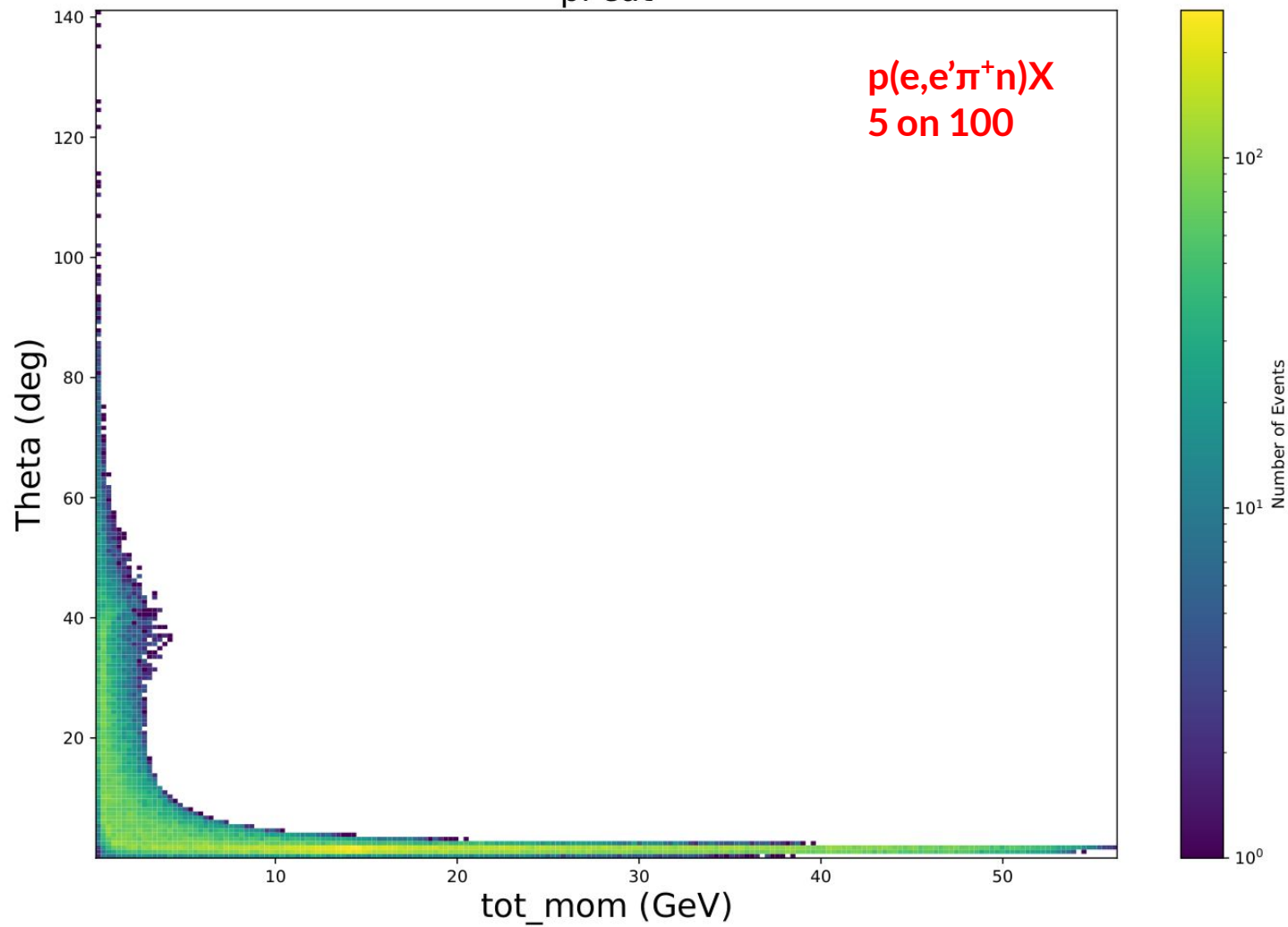
EIC Structure Function

March 30th, 2020

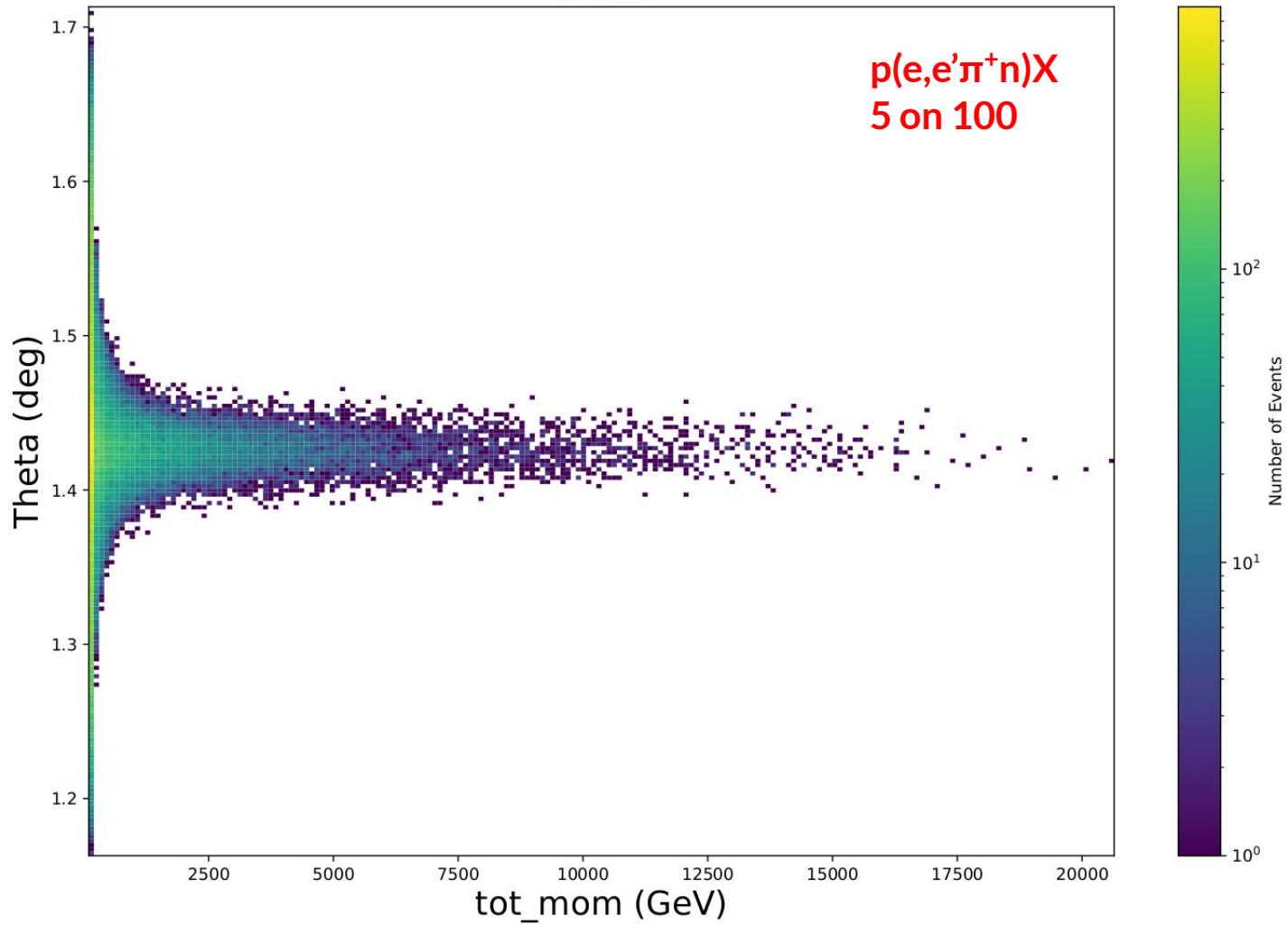
Richard Trotta

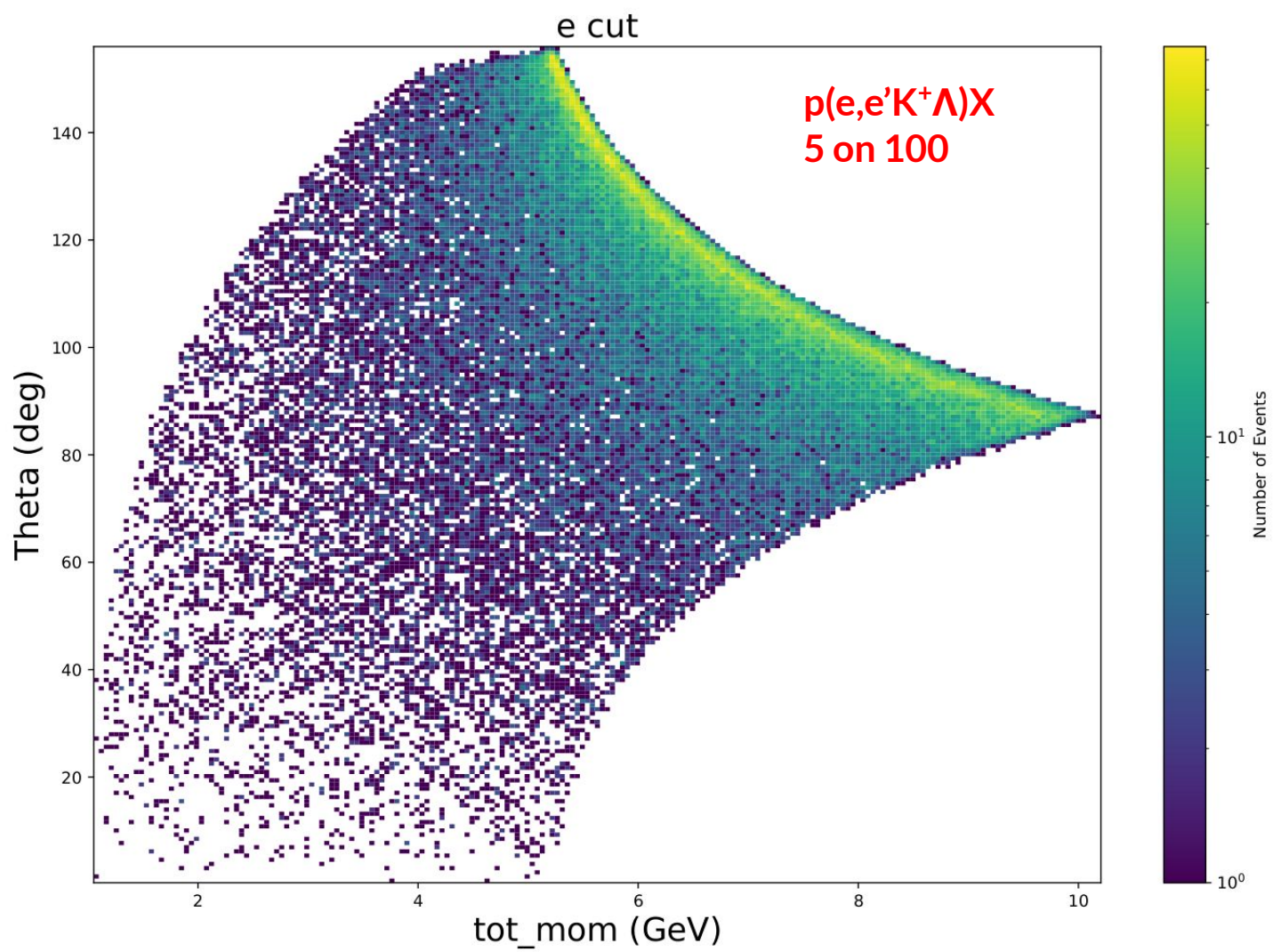


pi cut

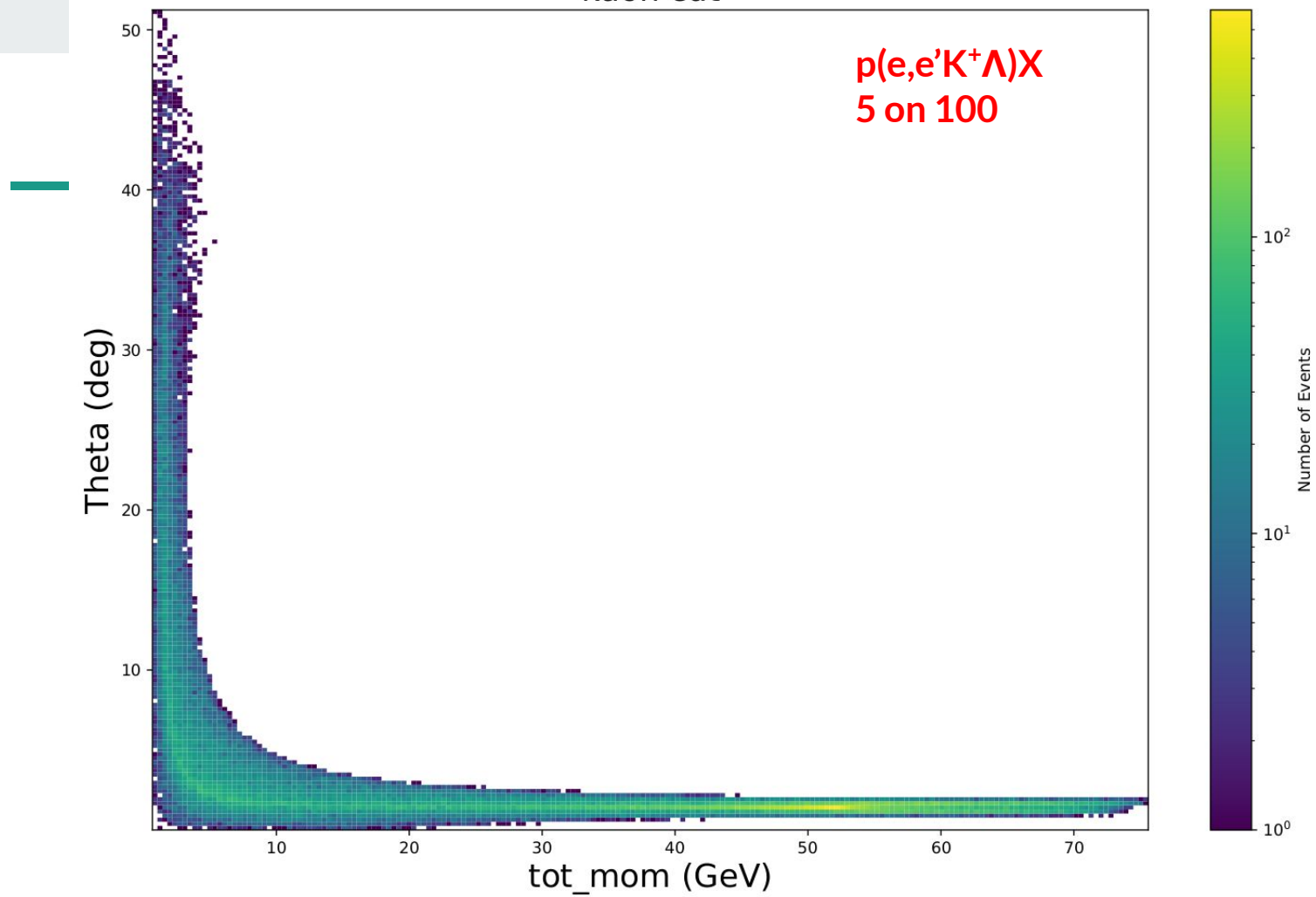


n cut

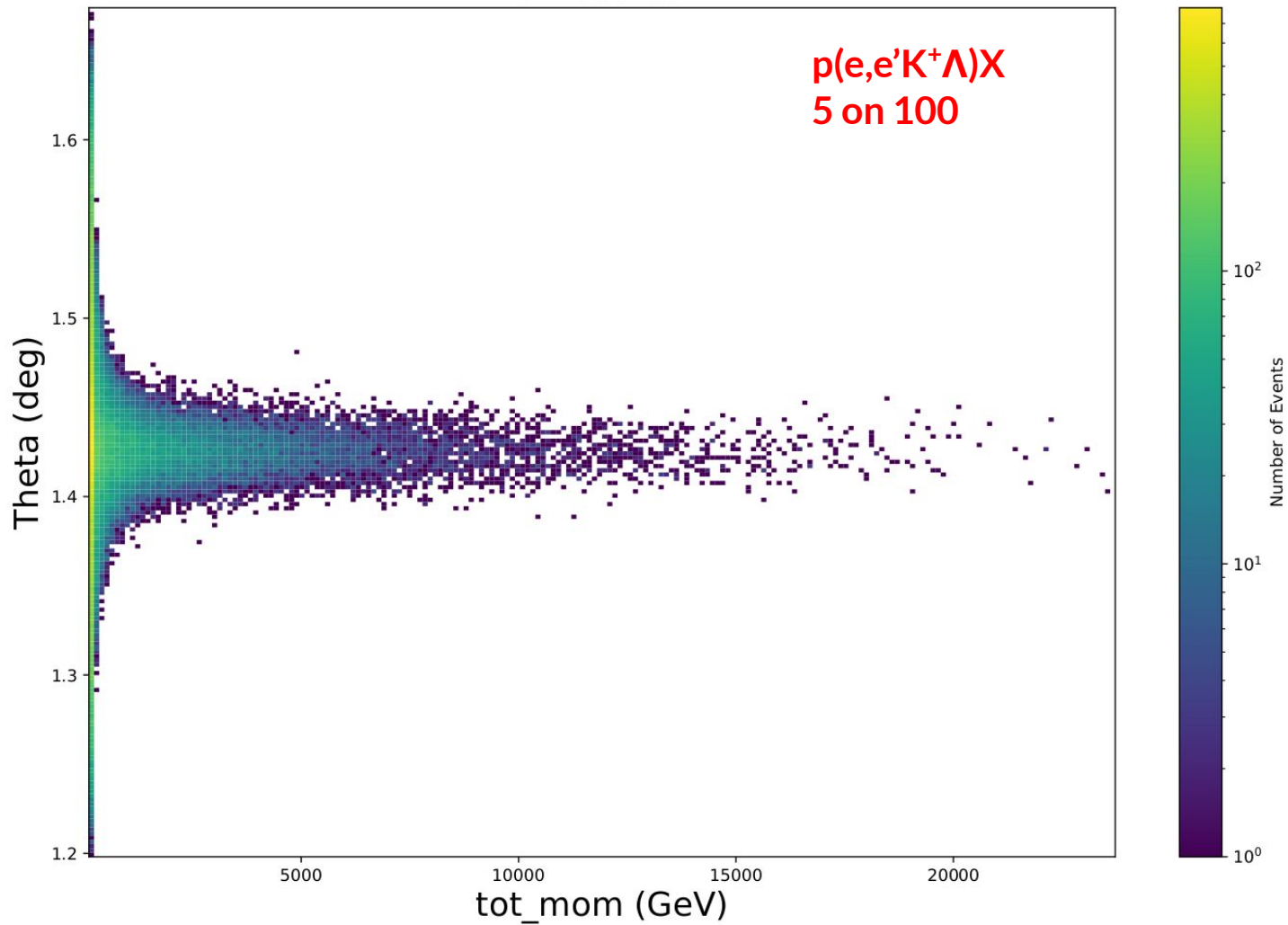




kaon cut



lambda cut



Action Items			
Method for distinguishing decay products	ON-GOING		
Analyzer plugin for physics variables (e.g. smearing)	TODO		
mesonMC for sigma final states	TODO		
Include additional pion SF models	TODO		
Impliment virtual detectors	ON-GOING		
Determine detection fractions	ON-GOING	->	Proton, DONE Neutron, DONE Lambda, TODO
Temple Meeting	DONE		

Timeline to come



EPJA Publication	First Meson structure WG meeting	Meson structure WG meeting	Meson structure WG meeting	Next Meson structure WG meeting	Meson Structure WG meeting	Second workshop at U of Pavia	Workshop on meson structure at EIC at CFNS/SBU	Status reports at EICUGM	Third workshop at CUA	Week with pion and kaon structure focus	Fourth workshop at UCB/LBL
July 19th, 2019	Jan. 27th, 2020	Feb. 25th, 2020	March 16th, 2020	March 30th, 2020	April 13th, 2020	May 22-24, 2020	June 1-5, 2020	August 3-7, 2020	Sep. 17-19, 2020	Oct. 5-9, 2020	Nov. 19-21, 2020