

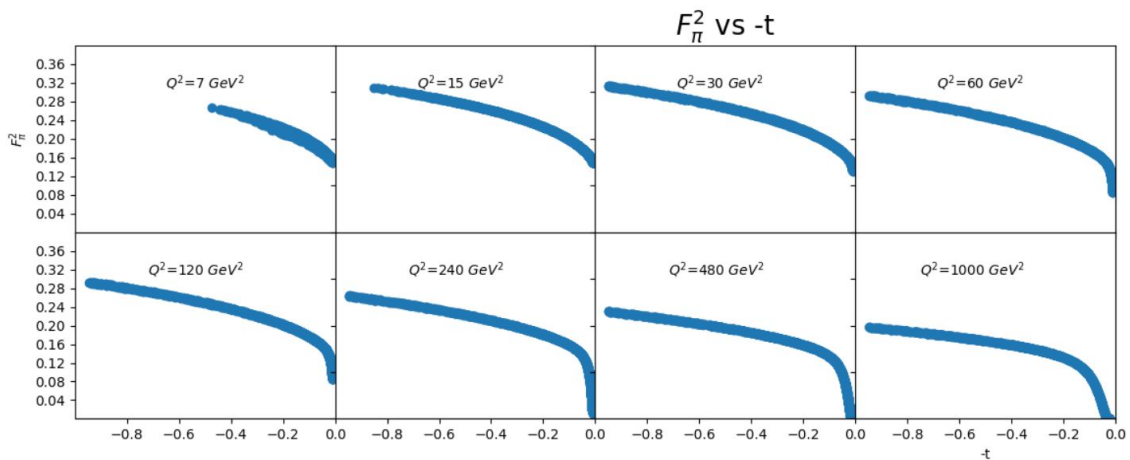
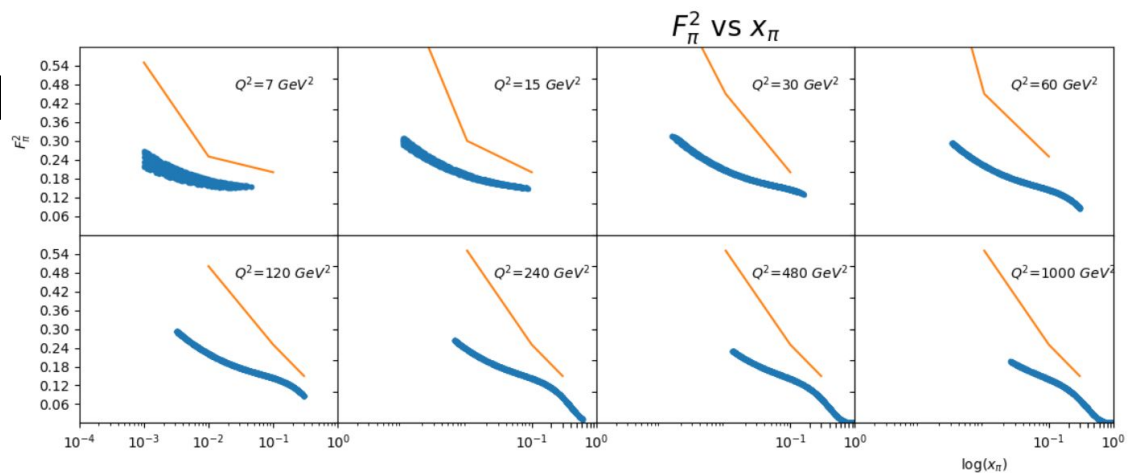
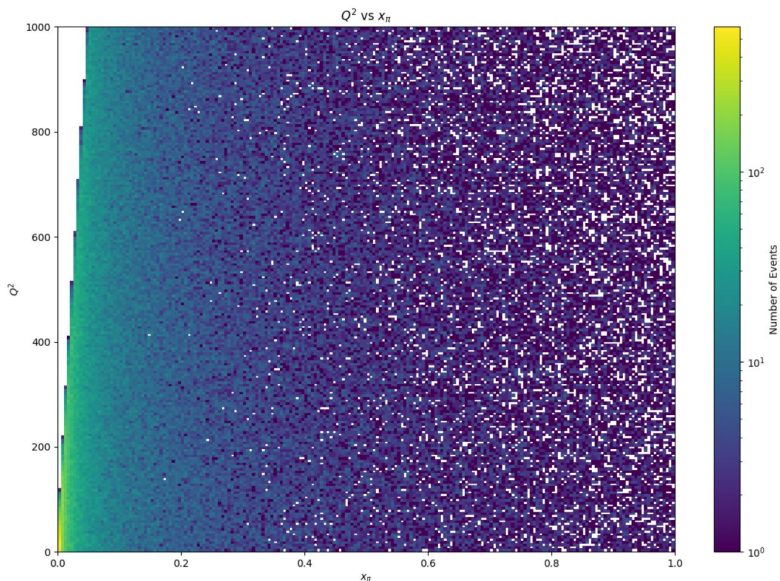


EIC meson structure

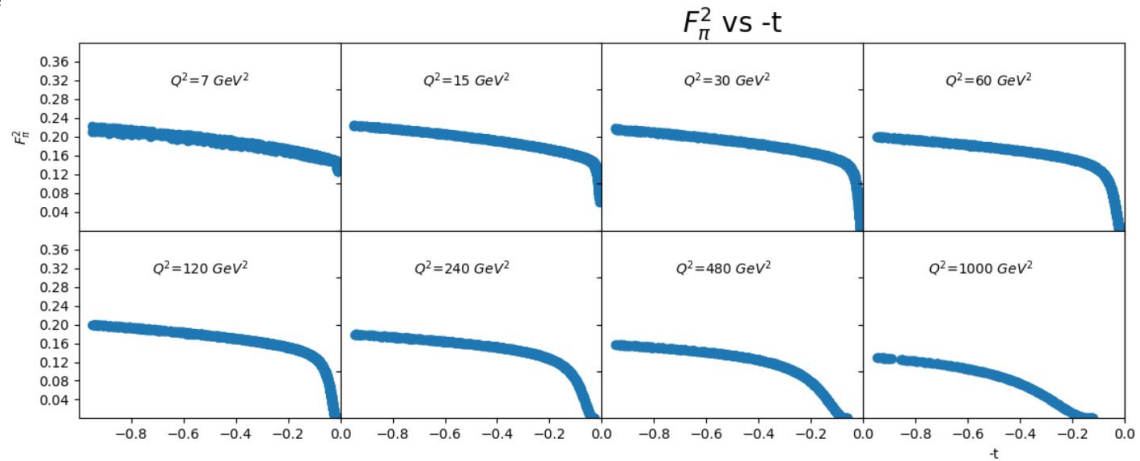
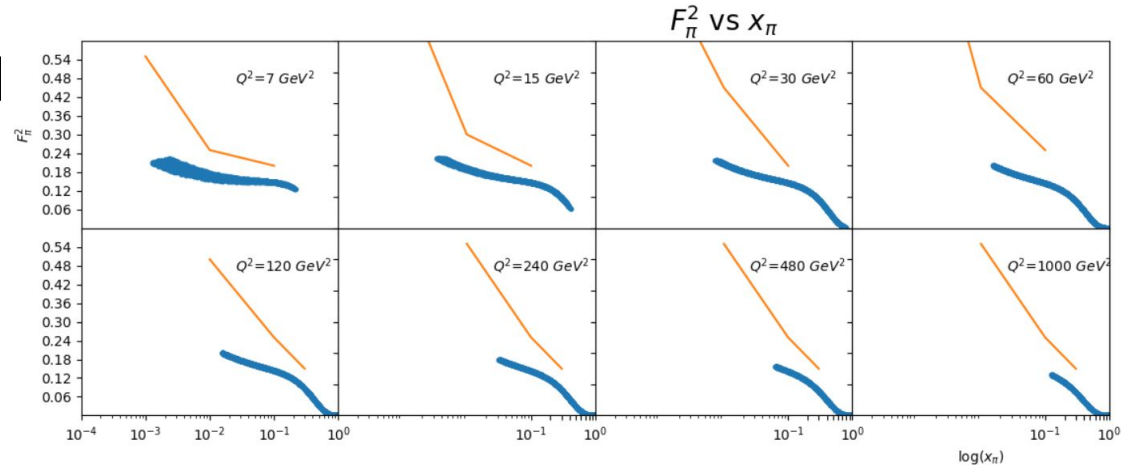
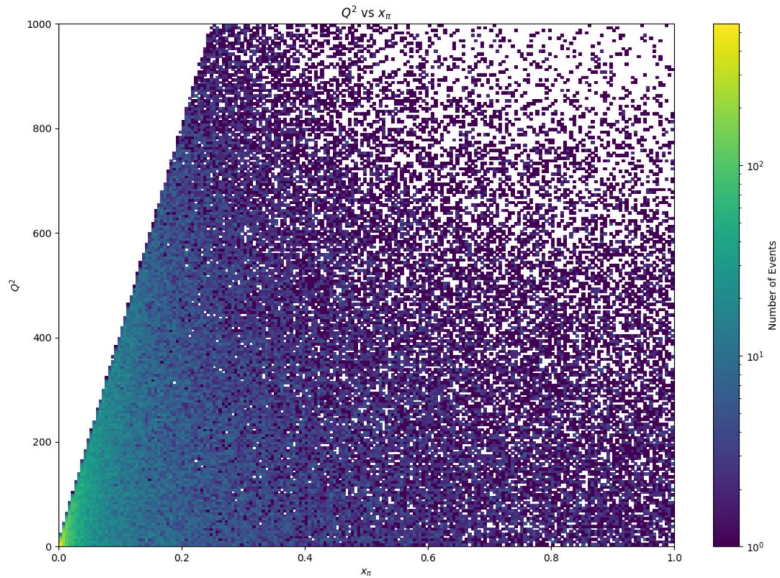
May 11th, 2020

Richard Trotta

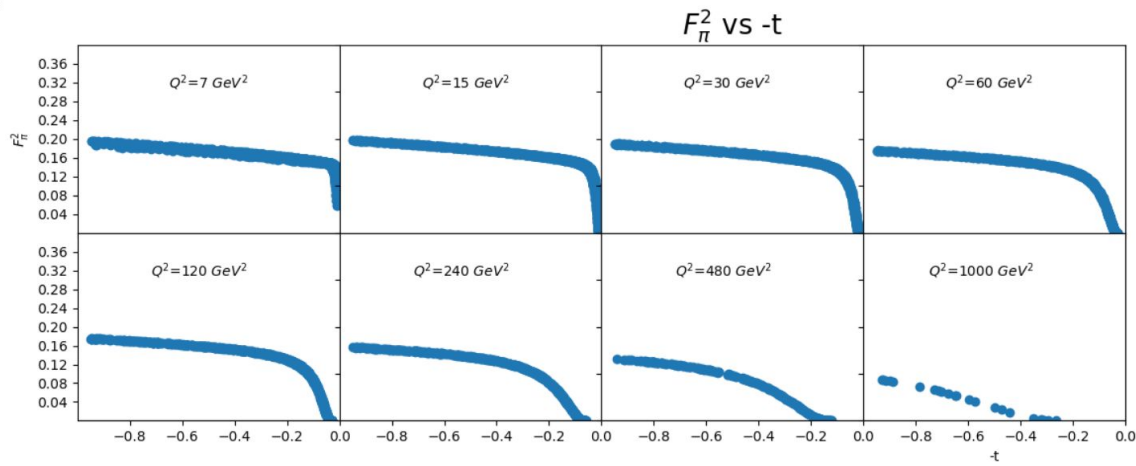
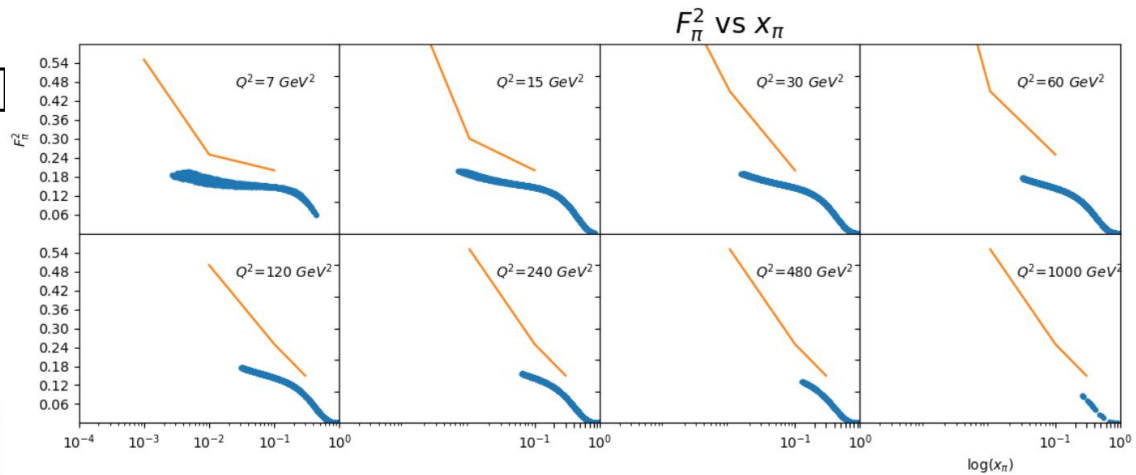
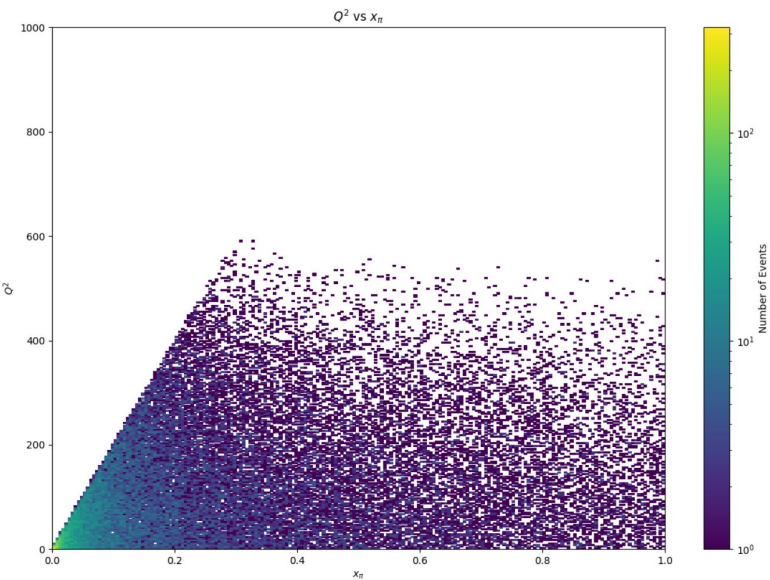
18 on 275 [(0.01 < y < 0.95)]
 MC:[x(0.001-1.0),Q²(1,1000)]



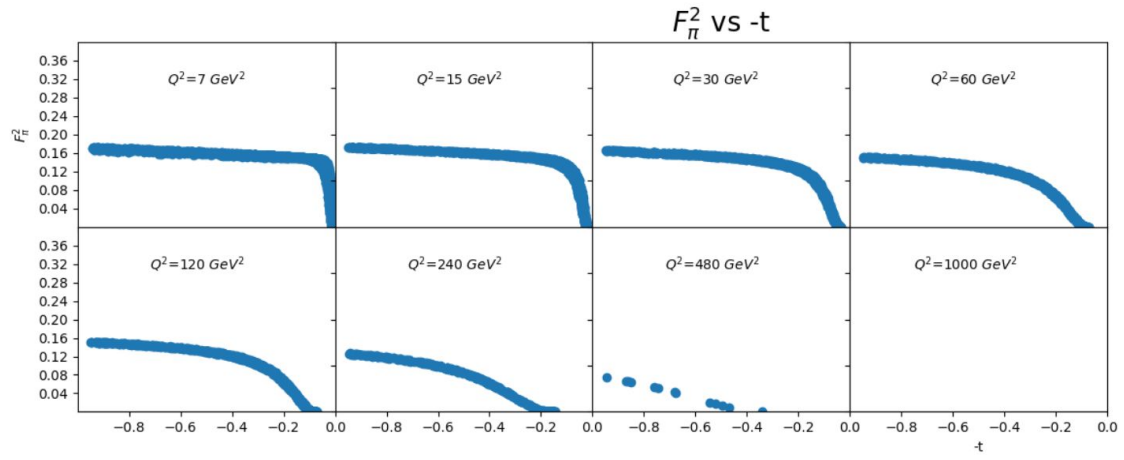
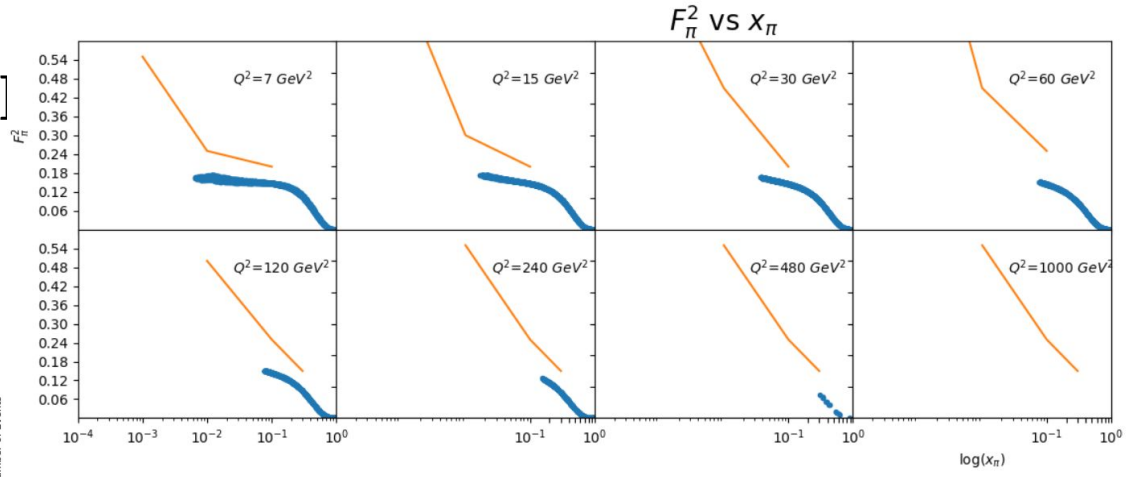
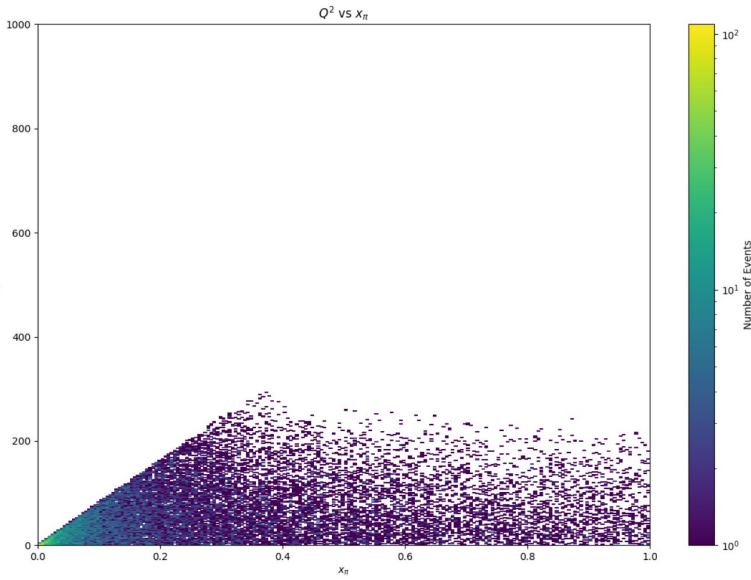
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MC:[x(0.001-1.0),Q²(1,1000)]



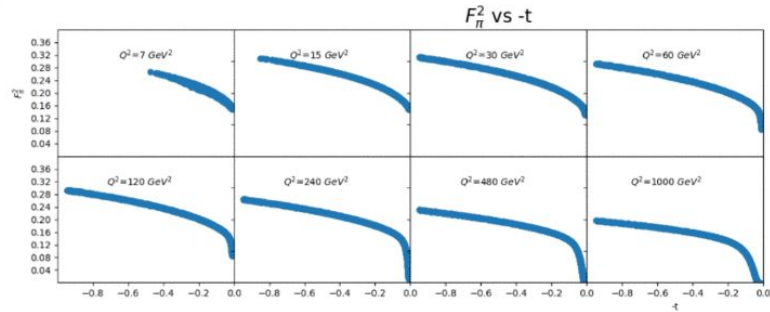
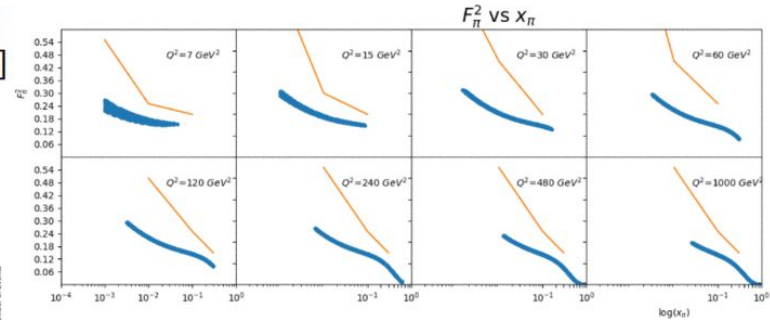
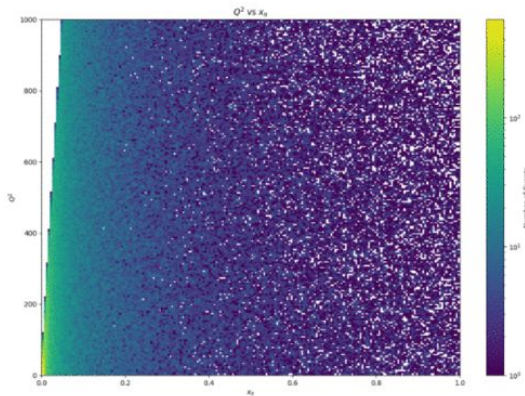
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 MC:[x(0.001-1.0),Q²(1,1000)]



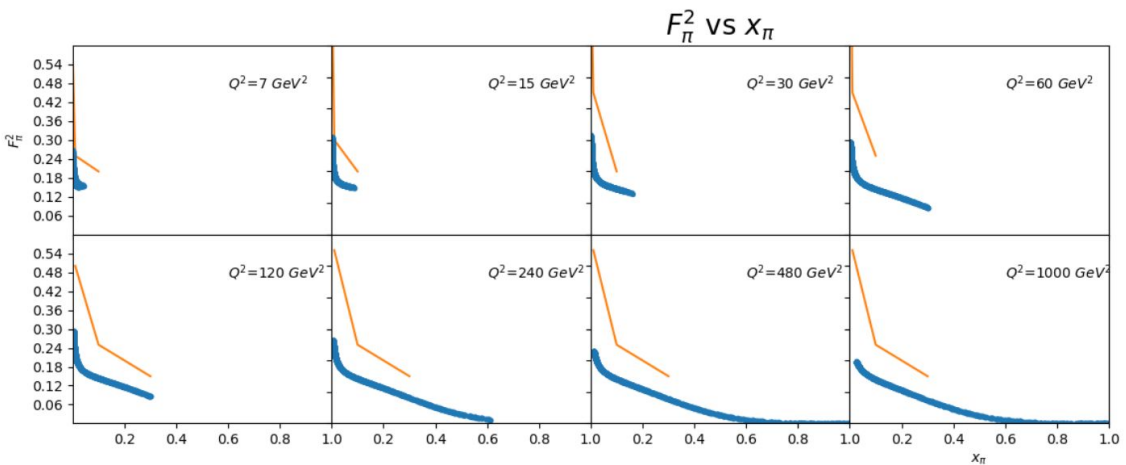
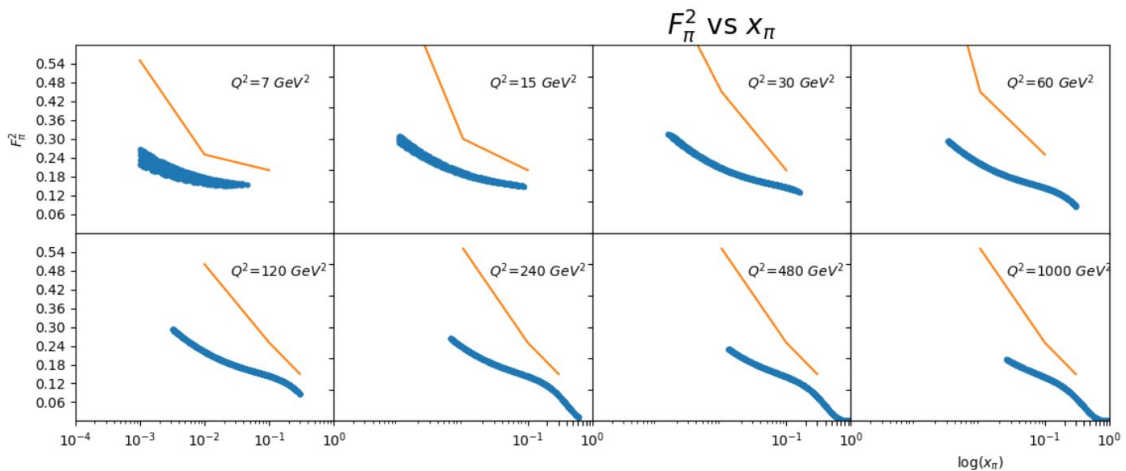
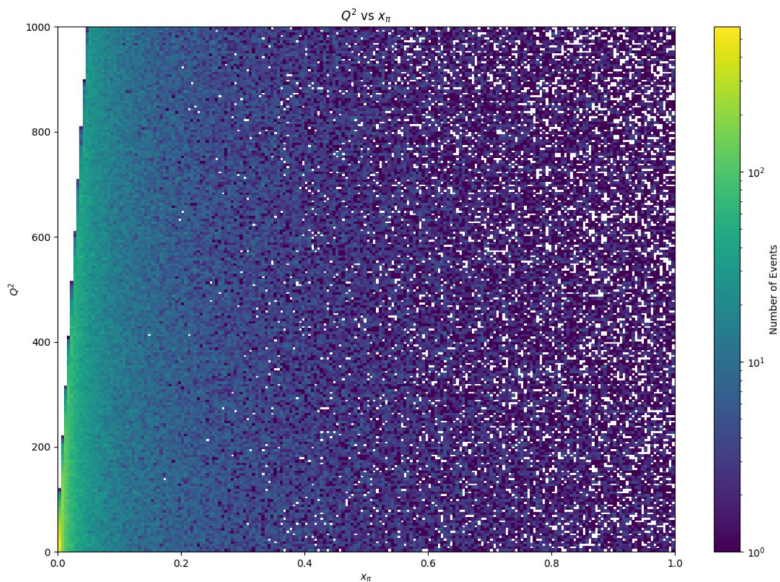
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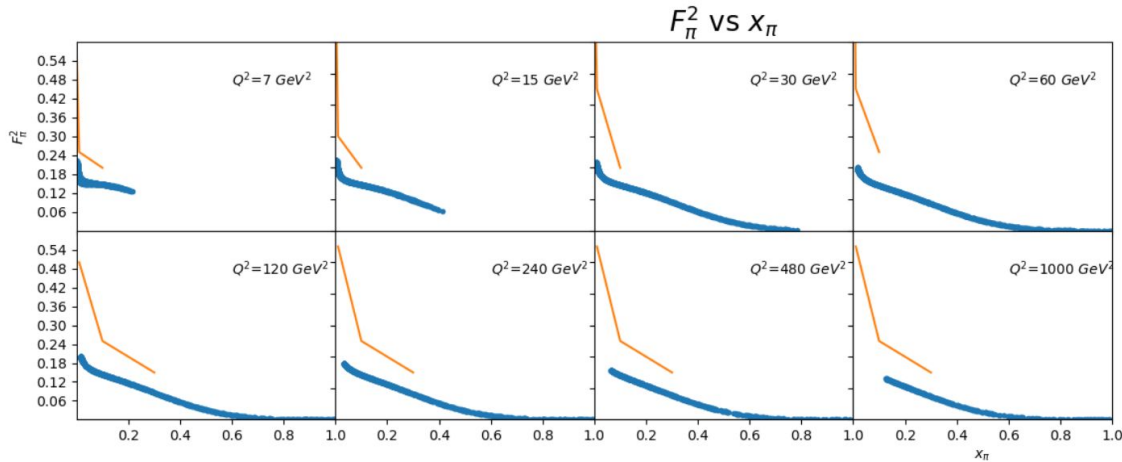
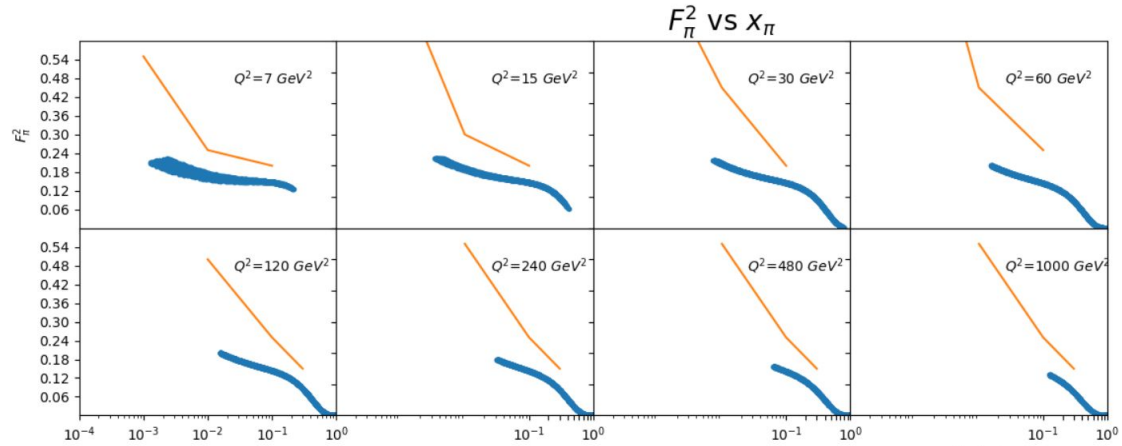
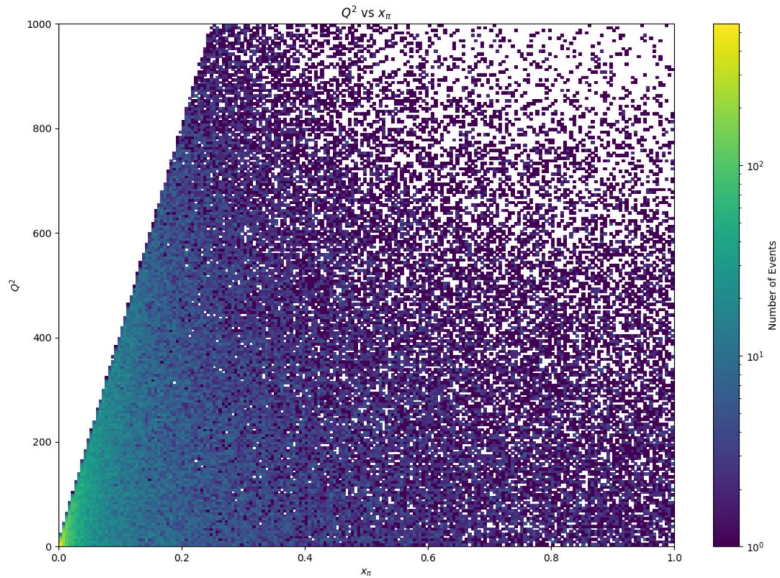
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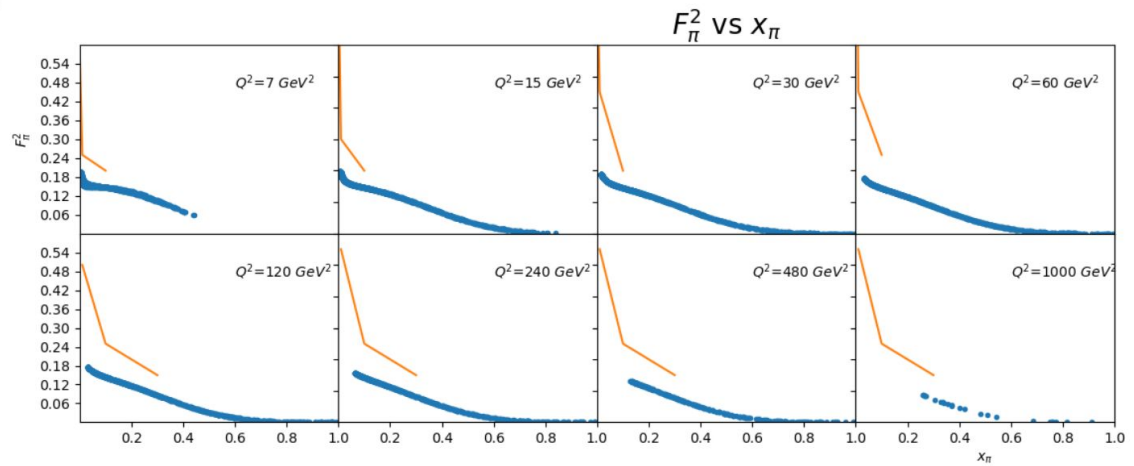
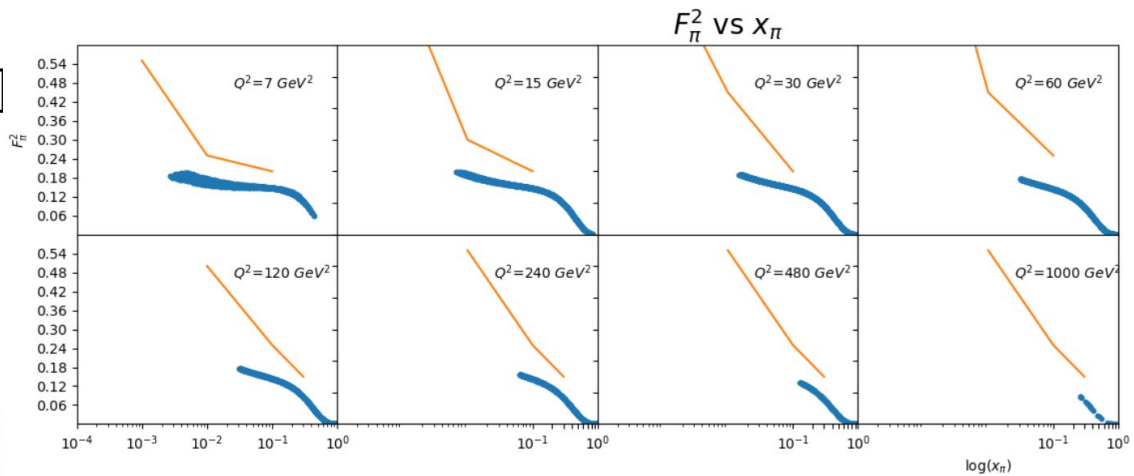
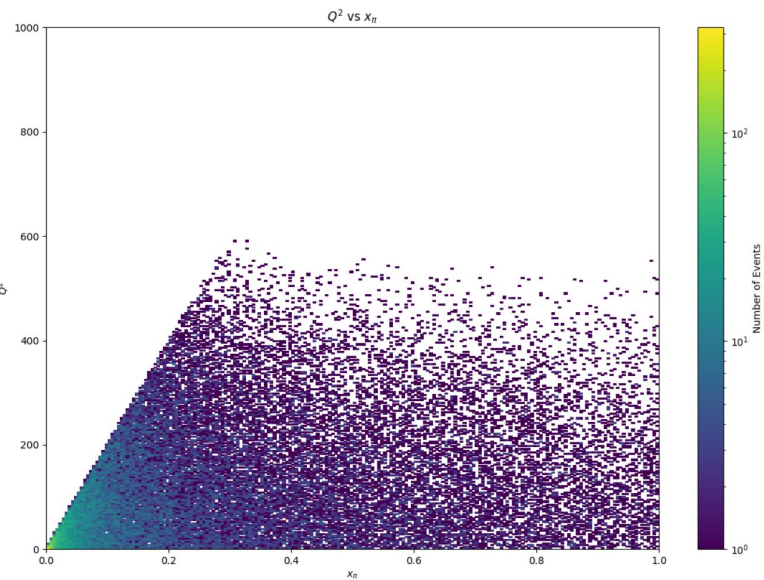
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MC:[x(0.001-1.0),Q²(1,1000)]



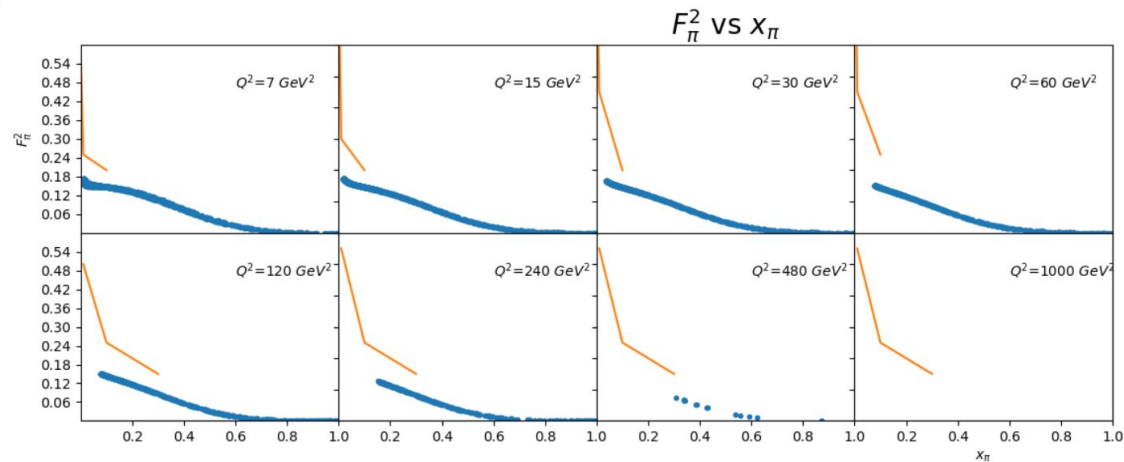
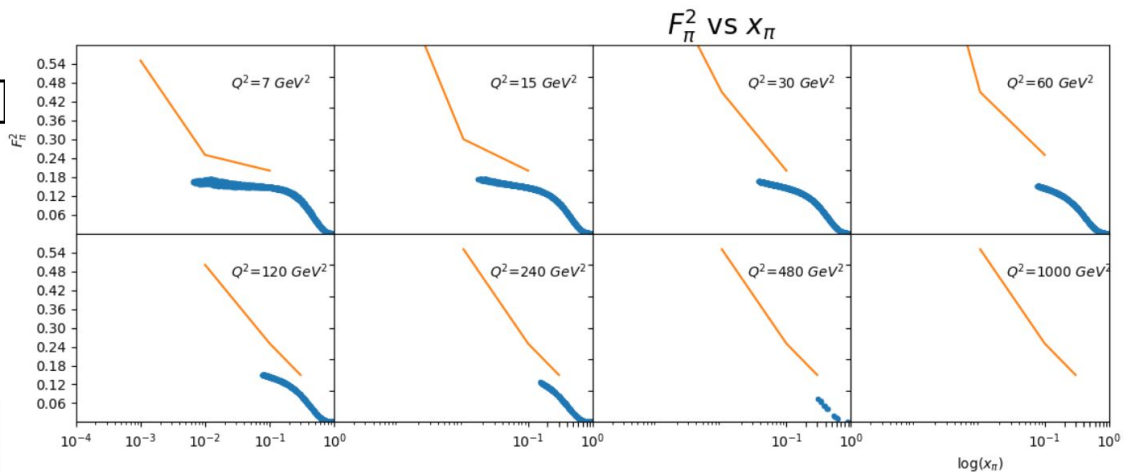
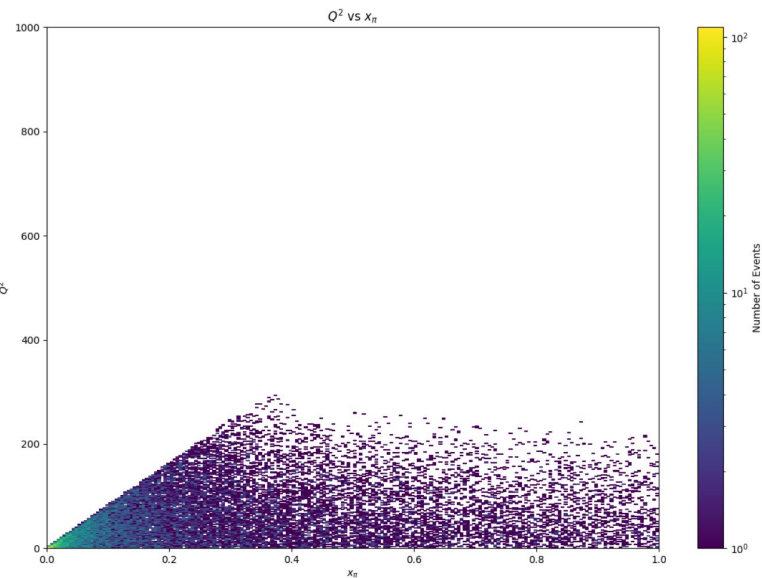
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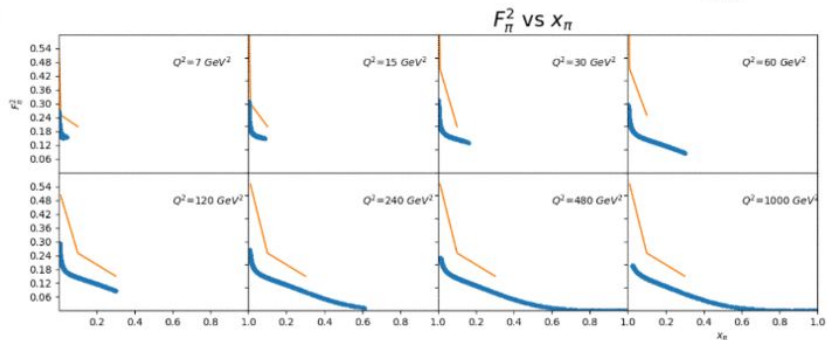
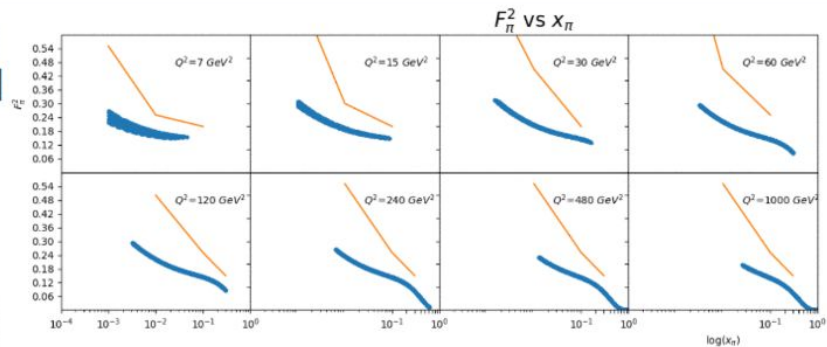
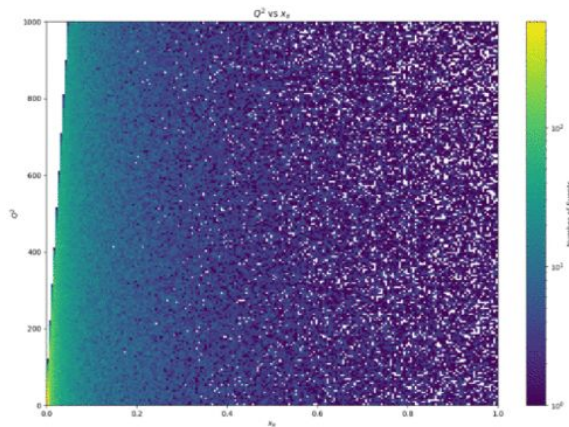
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MC:[x(0.001-1.0),Q²(1,1000)]





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	Current 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	May 11th, 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