

Table 3.6 from (1987TI07): Measurements and summaries (S)
of cross section $\sigma(\theta)$ and analyzing powers $A(\theta)$ for ${}^2\text{H}(\text{p}, \pi^+){}^3\text{H}$

E_{p} (MeV)	Measurement	θ (deg)(cm)	Refs.
277	$A(\theta)$	70 – 130	1984LO08 (S)
500		137.5, 148.9	
305	$A(\theta)$	68 – 145.5	
330			
375			
400			1982LO17
400	$\sigma(\theta), A(\theta)$	120 – 160 (lab)	
425		$\Delta\theta = 10$	
443			
470			
410	$\sigma(\theta)$	5, 15, 25, 43 (lab)	1980AU07
605		5, 15, 25, 32, 45, 65 (lab)	
809		5, 10.7, 19 (lab)	
425	$\sigma(\theta), A(\theta)$	110 – 160	
450			
475			1977AS06
500			
470	$\sigma(\theta)$	10 – 160	
500	$\sigma(\theta)$	10 – 160	
500	$A(\theta)$	70 – 152	
470	$\sigma(\theta)$	37 – 160	1984AB2A
590			
500	$\sigma(\theta)$ ^a	$\approx 48, 98$	
585	$\sigma(E_{\pi}, \theta)$	22.5 – 135 (lab)	
	$P(E_{\pi}, \theta)$ ^b	45 (lab)	
600 – 1500	$\sigma(\theta)$	≈ 180	1981CA08
650, 800	$\sigma(\theta), A(\theta)$	$\approx 10 – 170$	1973DO17
900, 100, 1000	$A(\theta)$	$\approx 10 – 170$	1985BE46
			1984KI2D
			1986MA59

^a Also measured ${}^2\text{H}(\text{p}, \pi_0){}^3\text{He}$ and formed ratio to compare with isospin invariance predictions.

^b Asymmetry parameter, $P = (\sigma(\text{up}) - \sigma(\text{dn})) / (\sigma(\text{up}) + \sigma(\text{dn}))$ for proton beam polarized perpendicular to pion production plane.