Showle 2.2(a) 14 xNeV=2/mc2 Mproton 2 938 MeV/c2 14 Mer = 7.5 = 8. = (1-82)/2. of \$2 20-982, B 2 0.99 (1-0.99) × 3×108 m/s × + + 3600 9 × 103 m = 0.01 x 3 x 108 x 3600 x 103m

103 hr = [0,800,000 km/hr Davidson Cheng 3.6.2024

Shumb 2.	2 (6)
	In COM frame, we had
	p° = 2 r, nou ne more to jest frame
	of one of the particles, he non have
	p°=1+1'
	Try hating them gives 28=1+8, plugging 8=7.5
8	from part (a) we have 1'=14.
	14 = - 1 JI-B2 1
-	
	B 2 0.997
E .	
=	
	Dandson Chenz
=	Dandson Chenz