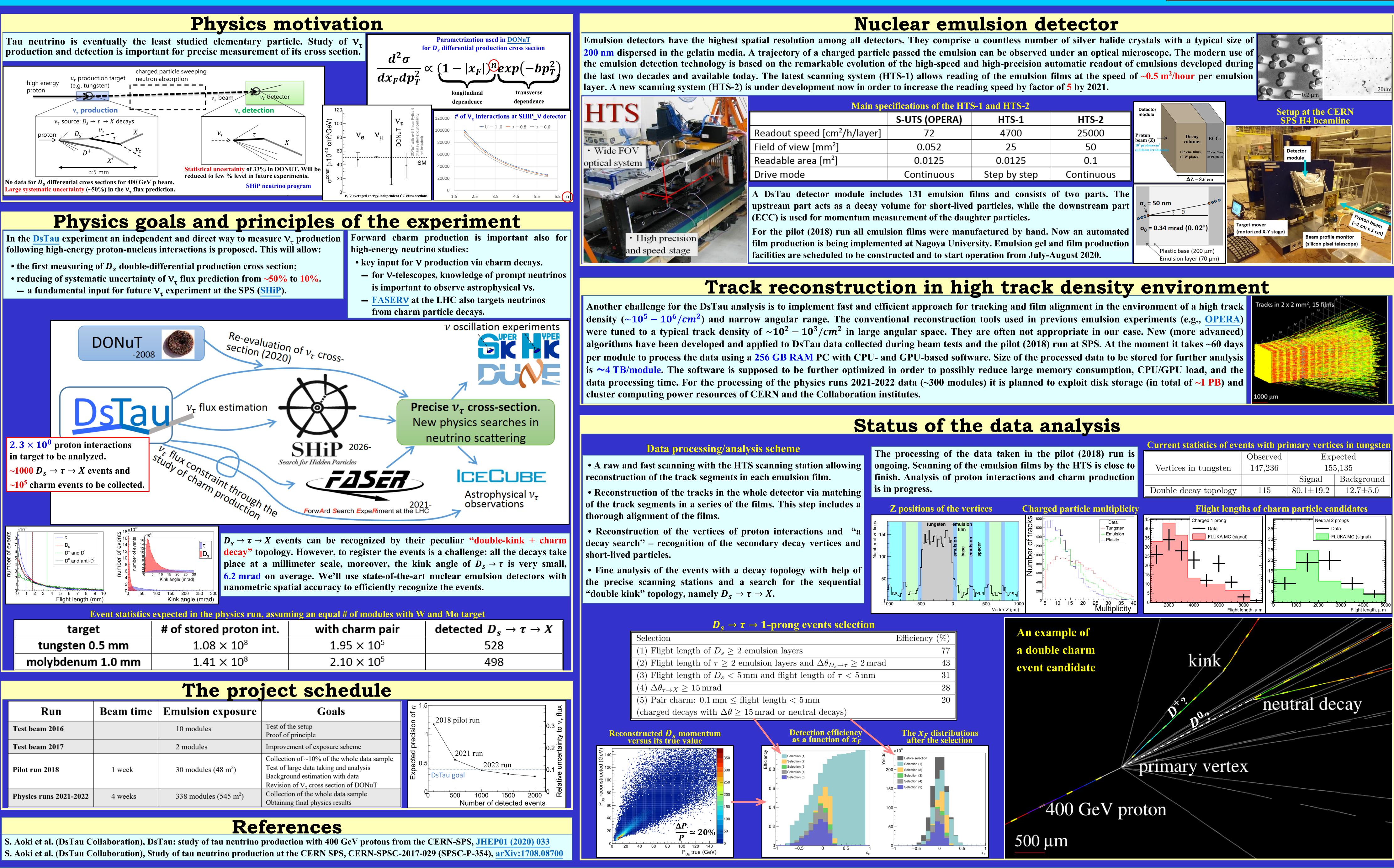


# **DSTau (NA65) experiment:** Study of tau neutrino production in proton-nucleus interactions at CERN-SPS Sergey Dmitrievsky (JINR, Dubna, Russia) on behalf of the DsTau Collaboration 🕒 💶 💶 🖛



	<b>_</b> _	) <sub>s</sub> –	» τ		
	Selection				
	(1) Flight length of $D_s \ge 2$ e				
	(2) Flight length of $\tau \geq 2$ en				
	(3) Flight length of $D_s < 5 \mathrm{m}$				
	(4) $\Delta \theta_{\tau \to X} \ge 15 \mathrm{mrad}$				
	(5) Pair charm: $0.1 \text{ mm} \le \text{fli}$				
	(charged decays with $\Delta \theta \geq 1$				
Recor	nstructed <b>D</b> <sub>s</sub> momentur versus its true value	n			
reconstructed (GeV)					
aconstruct		-250			
		-200			
40	$\Delta P$				
20	$\frac{1}{P} \simeq 20\%$	-50			

Main specifications of the HTS-1 and HTS-2					
S-UTS (OPERA)	HTS-1	HTS-2			
72	4700	25000			
0.052	25	50			
0.0125	0.0125	0.1			
Continuous	Step by step	Continuous			
	<b>S-UTS (OPERA)</b> 72 0.052 0.0125	S-UTS (OPERA)HTS-17247000.052250.01250.0125			



