

Figure 10 is a line plot showing the normalized static pressure coefficient (C_p) versus normalized axial distance (X) for the SU2 configuration. The x-axis represents X in millimeters, ranging from 0 to 120. The y-axis represents C_p , ranging from 0.0 to 1.0. The plot compares experimental data (black dots) with various numerical simulations. The experimental data shows a sharp drop in C_p around $X=80$ mm, reaching a plateau near 0.05 for $X > 110$ mm. The numerical simulations generally follow this trend, with some variations in the plateau region.

X [mm]	Experiment (C_p)	SU2 FluidProp Euler (C_p)	SU2 FluidProp RANS (C_p)	NIMOC Coolrop Euler (C_p)
0	1.00	1.00	1.00	1.00
20	1.00	1.00	1.00	1.00
40	1.00	1.00	1.00	1.00
53	0.95	0.95	0.95	0.95
70	0.85	0.85	0.85	0.85
87	0.65	0.65	0.65	0.65
104	0.45	0.45	0.45	0.45
110	0.05	0.05	0.05	0.05
120	0.05	0.05	0.05	0.05

