

FMVSS 214 Compliance

FMVSS 214 | Side Impact Protection
barrier-es2re-sid-iis | pole-es2re | pole-sid-iis

Report Status

	barrier-es2re-sid-iis	pole-es2re	pole-sid-iis
Overall	OK	OK	OK
Front Occupant	OK	OK	OK
HIC 36	OK	OK	OK
Maximum Rib Deflection	OK	OK	OK
Sum of Abdominal Forces	OK	OK	OK
Pubic Symphysis Force	OK	OK	OK
Lower Spine Resultant Acceleration	OK	OK	OK
Sum of Acetabular and Iliac Pelvic Forces	OK	OK	OK
Rear Occupant	OK	OK	OK
HIC 36	OK	OK	OK
Maximum Rib Deflection	OK	OK	OK
Sum of Abdominal Forces	OK	OK	OK
Pubic Symphysis Force	OK	OK	OK
Lower Spine Resultant Acceleration	OK	OK	OK
Sum of Acetabular and Iliac Pelvic Forces	OK	OK	OK
Door Integrity	OK	OK	OK

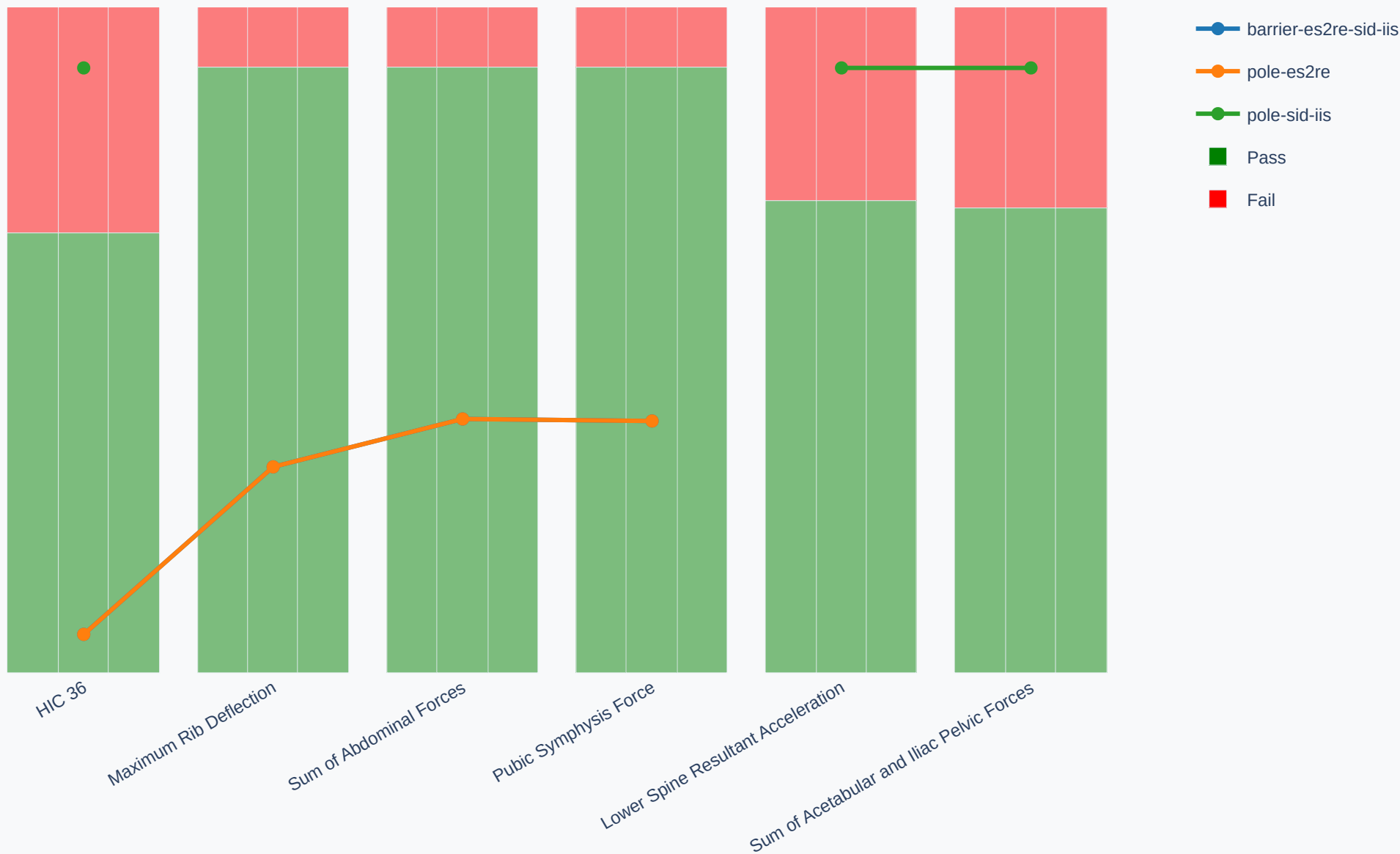
Manual Inputs

	Default	Source	barrier-es2re-sid-iis	pole-es2re	pole-sid-iis
impact_type	'pole'	test report / ISO-MME channel codes	'barrier' (derived)	'pole' (user)	'pole' (user)
p_front	'1'	test report / ISO-MME channel codes	'1'	'3' (derived)	'1'
p_rear	'6'	test report / ISO-MME channel codes	'6'	'4' (derived)	'6'
dummy_type	'ER'	ISO-MME channel codes	'ER'	'ER'	'S2' (derived)
dummy_type	'ER'	ISO-MME channel codes	'S2' (derived)	'S2' (derived)	'S2' (derived)
atches_hinges_and_anchorages_remained_attached	False	post-test inspection	True (user)	True (user)	True (user)
struck_door_remained_attached	False	video / post-test inspection	True (user)	True (user)	True (user)
unstruck_doors_remained_latched	False	video / post-test inspection	True (user)	True (user)	True (user)

Overall Compliance

	barrier-es2re-sid-iis	pole-es2re	pole-sid-iis
Front Occupant	Pass	Pass	Fail
Rear Occupant	Pass	n/a	n/a
Door Integrity	Pass	Pass	Pass
Overall	Pass	Pass	Fail

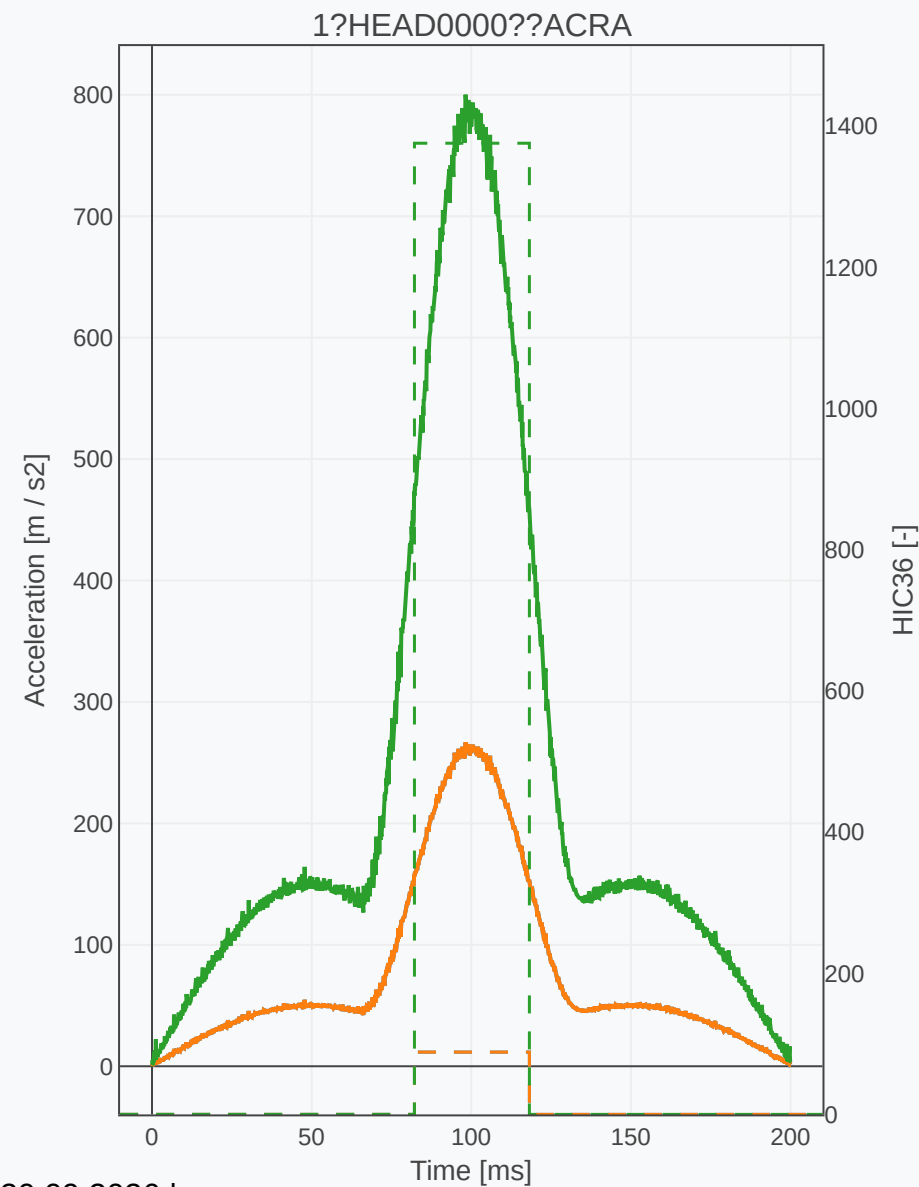
Front Occupant Values



Front Occupant Values

	barrier-es2re-sid-iis	pole-es2re	pole-sid-iis
HIC 36 []	88.24	88.24	1376
Maximum Rib Deflection [mm]	15	15	nan
Sum of Abdominal Forces [N]	1050	1050	nan
Pubic Symphysis Force [N]	2500	2500	nan
Lower Spine Resultant Acceleration [nan]	nan	nan	105
Sum of Acetabular and Iliac Pelvic Forces [nan]	nan	nan	7200
Front Occupant [nan]	1	1	0

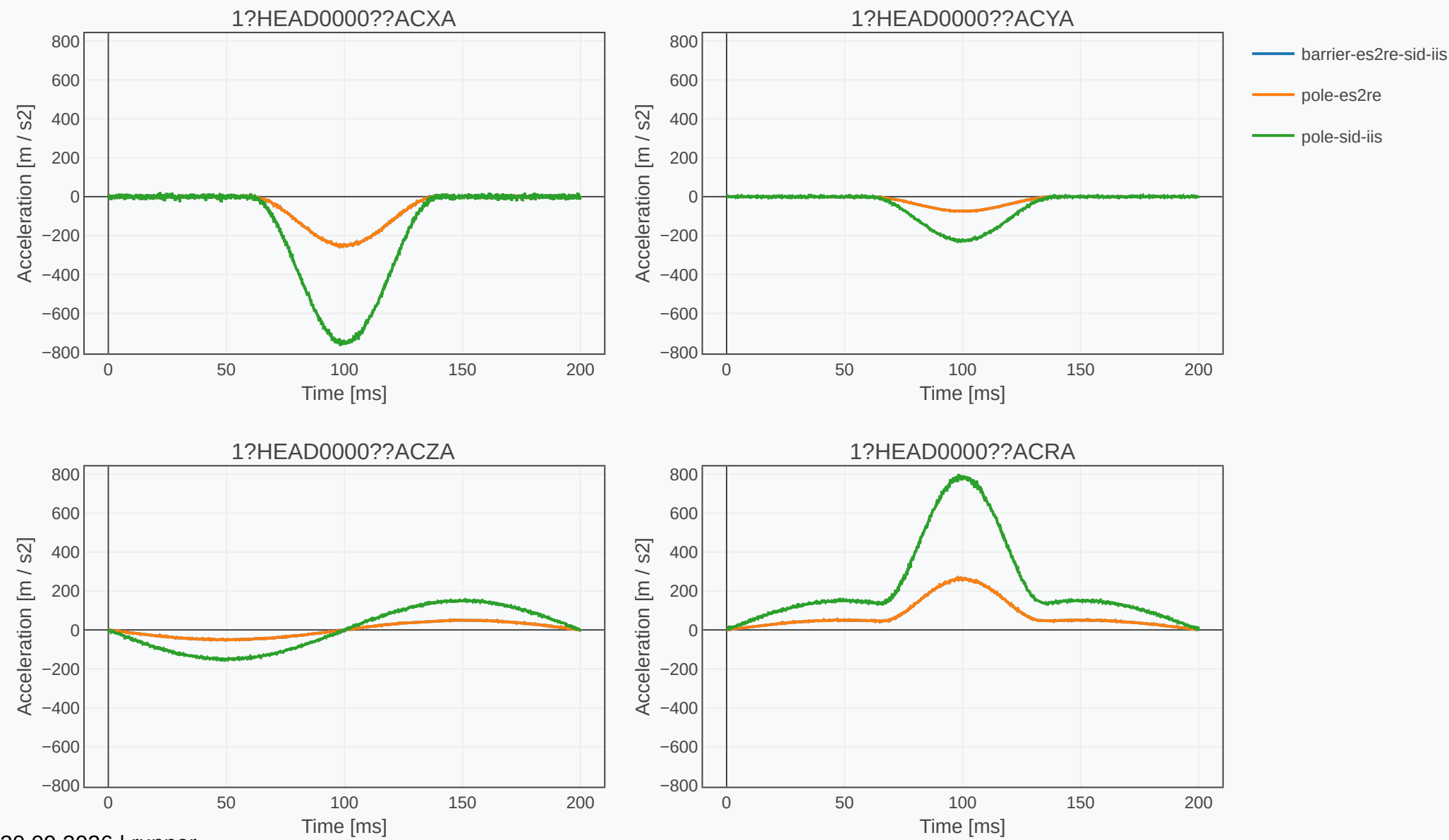
Front Occupant HIC36



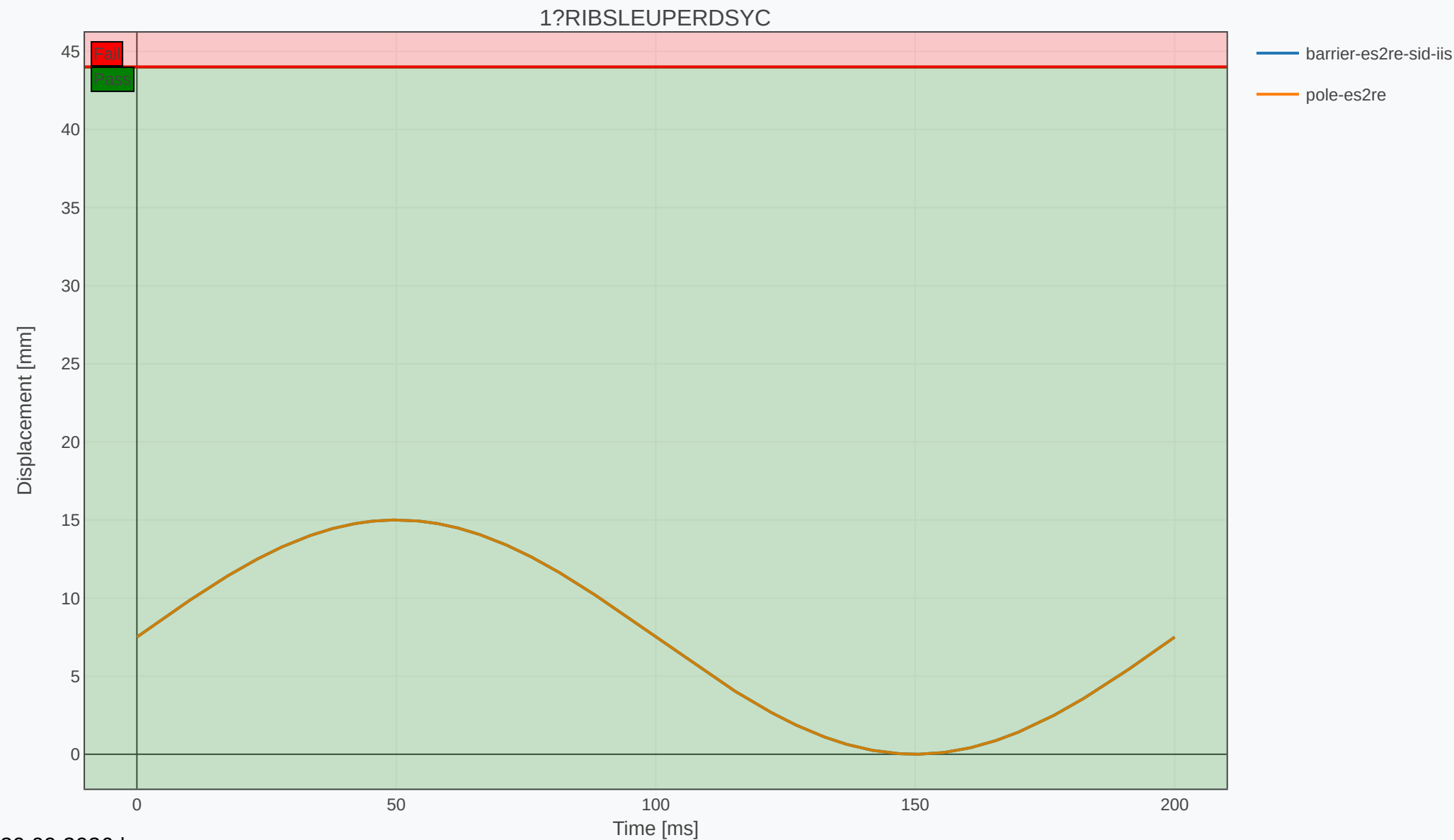
	HIC36	Start [ms]	End [ms]
barrier-es2re-sid-iis	88.2	82.20	118.20
pole-es2re	88.2	82.20	118.20
pole-sid-iis	1375.6	82.20	118.20

- barrier-es2re-sid-iis
- pole-es2re
- pole-sid-iis
- barrier-es2re-sid-iis HIC36
- pole-es2re HIC36
- pole-sid-iis HIC36

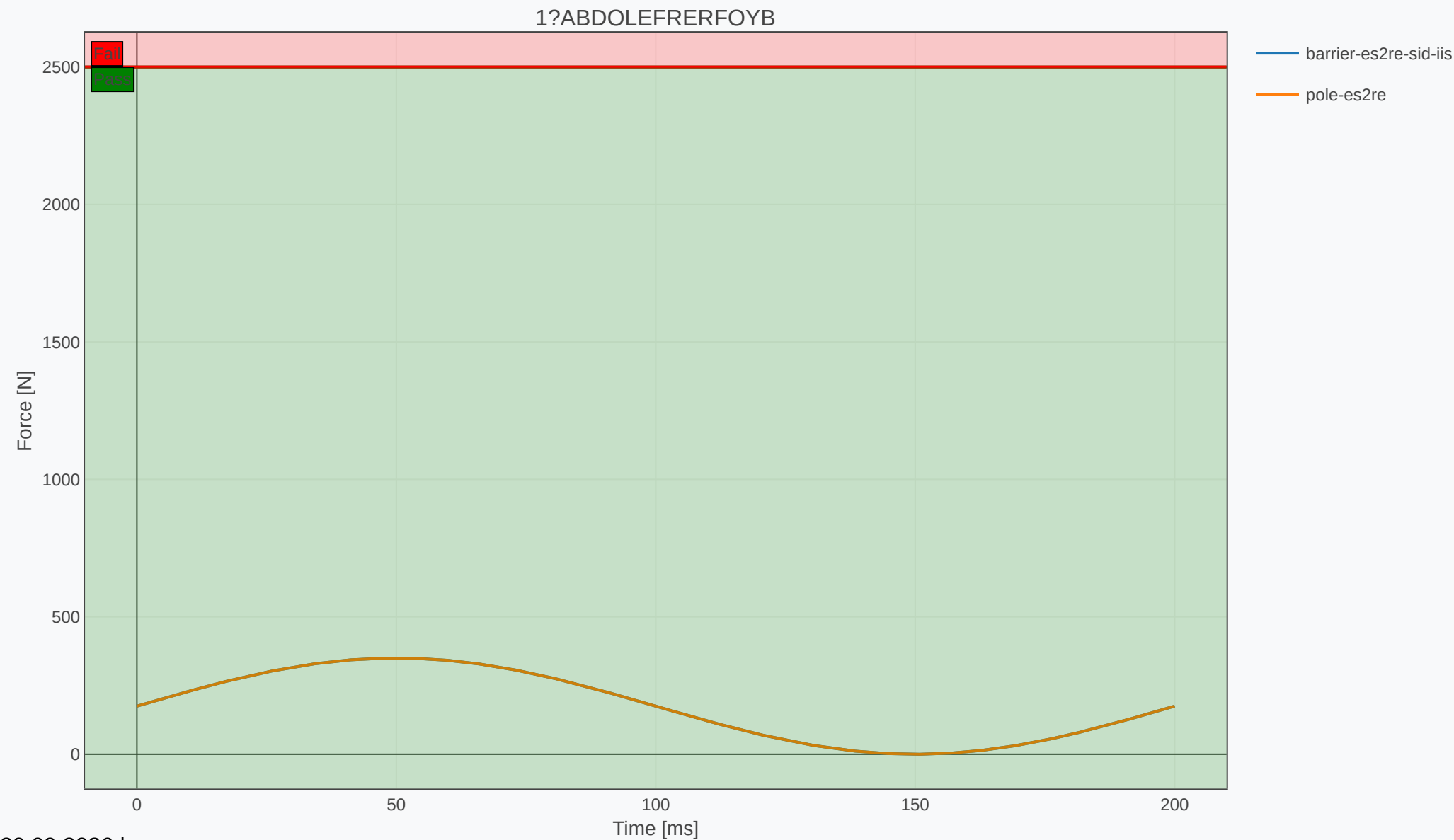
Front Occupant Head Acceleration



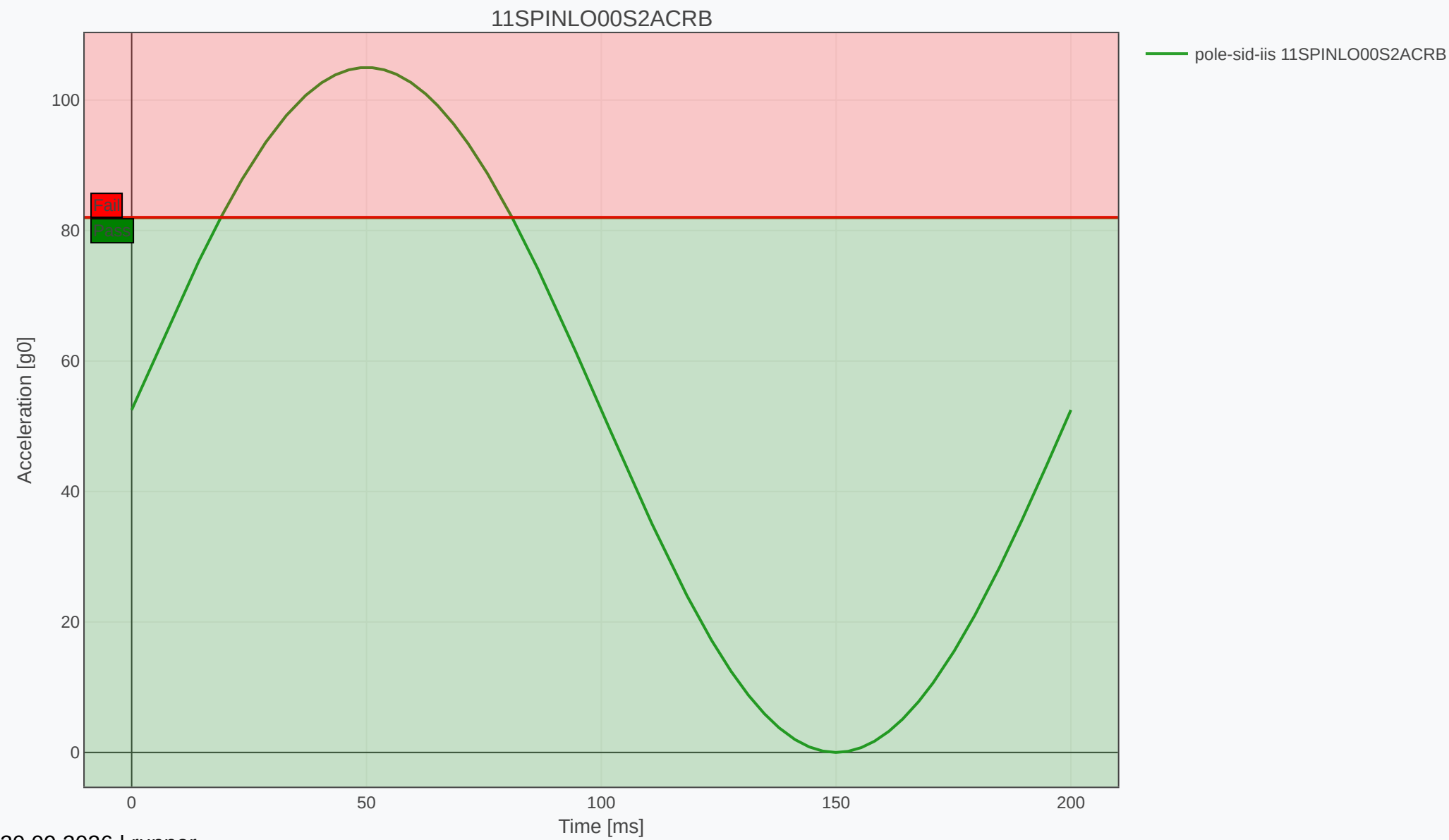
Front Occupant Chest Deflection



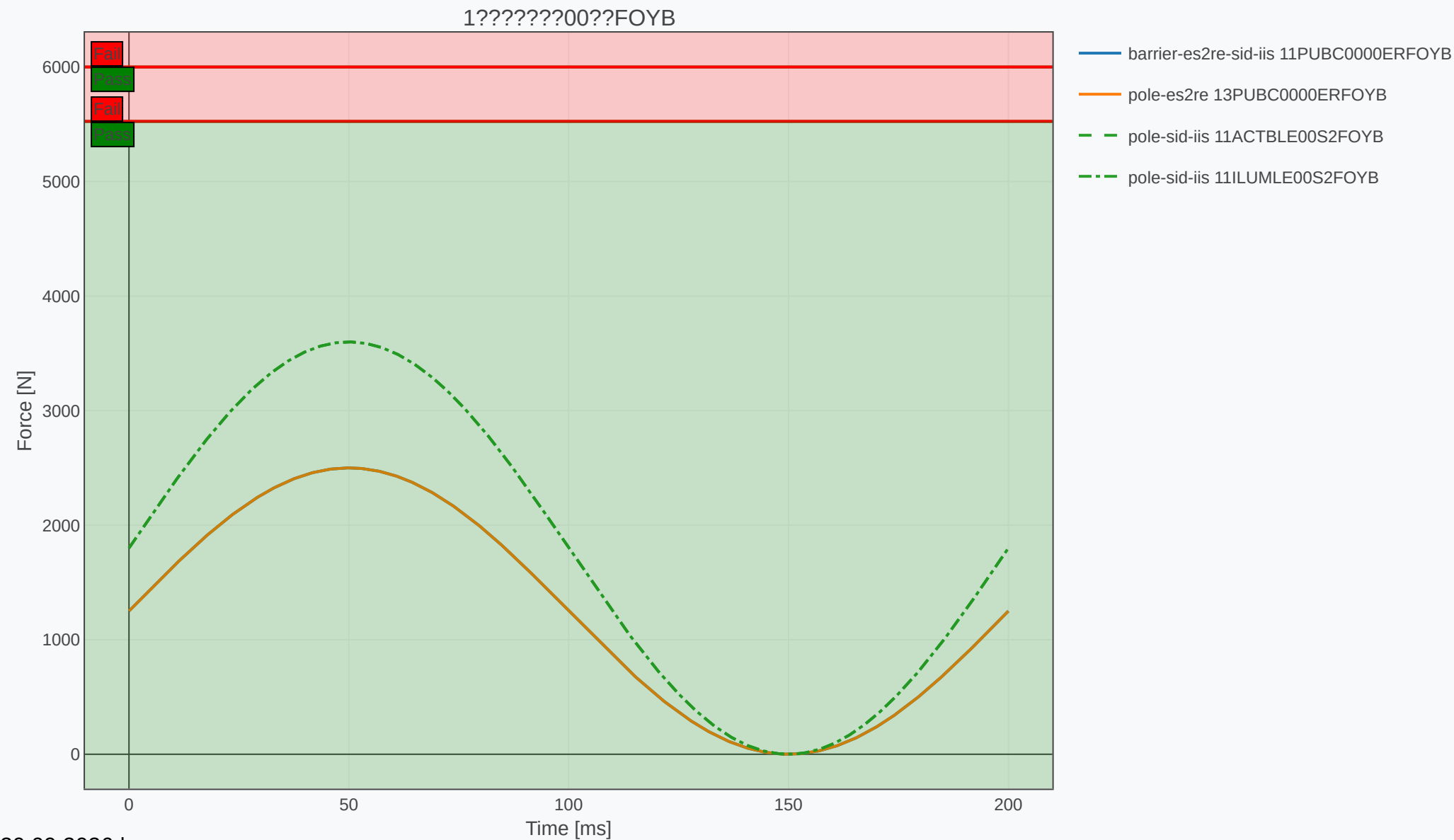
Front Occupant Abdomen Force



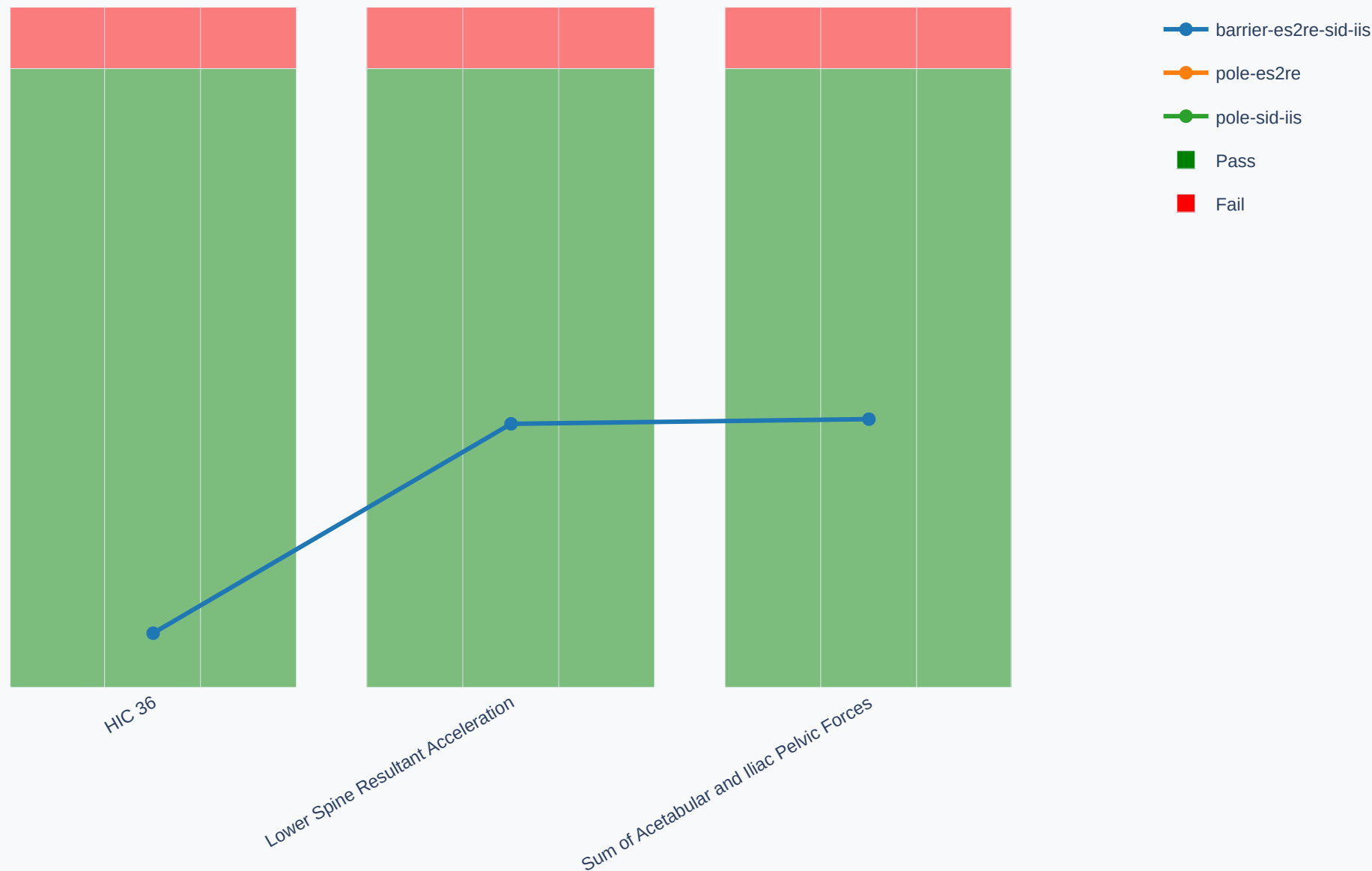
Front Occupant Lower Spine Acceleration



Front Occupant Pelvis Force



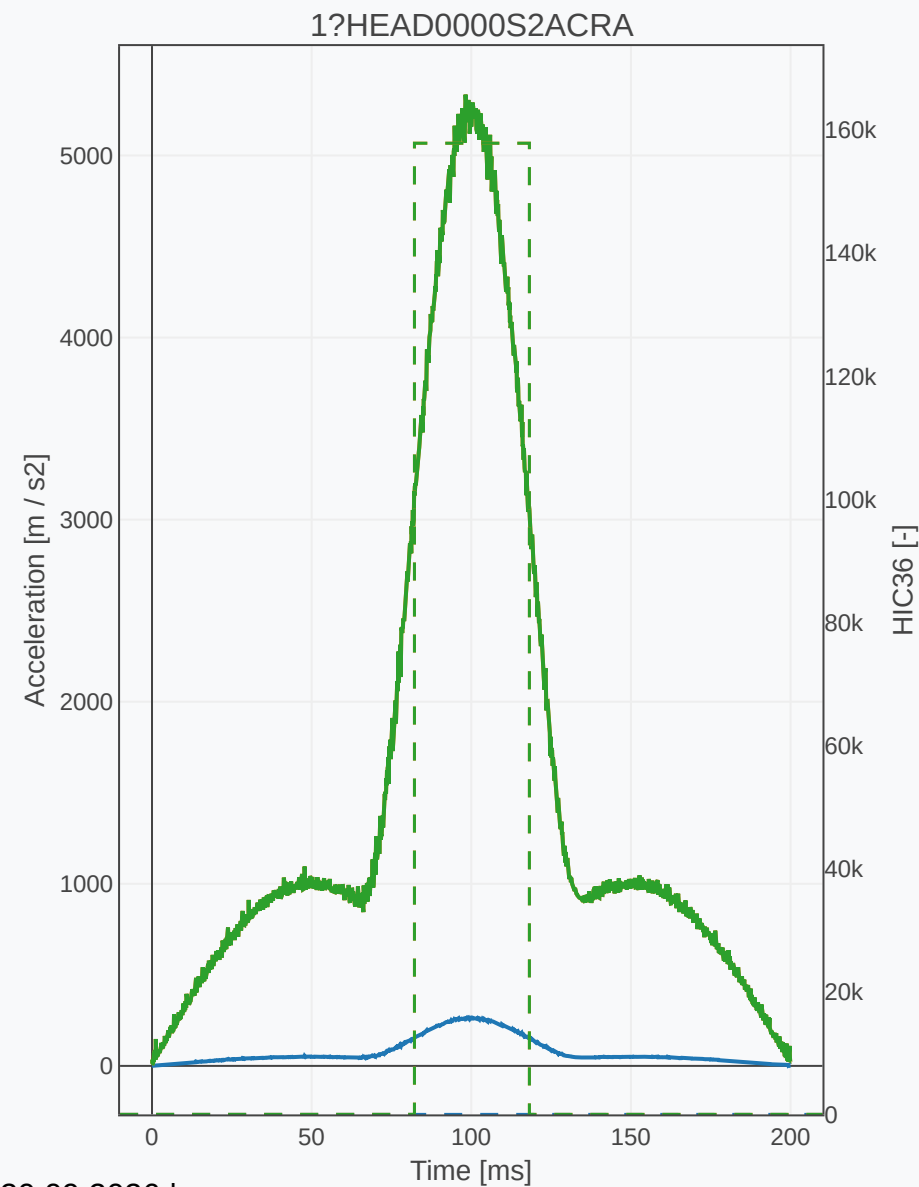
Rear Occupant Values



Rear Occupant Values

	barrier-es2re-sid-iis	pole-es2re	pole-sid-iis
HIC 36 []	88.24	nan	nan
Lower Spine Resultant Acceleration [g0]	35	nan	nan
Sum of Acetabular and Iliac Pelvic Forces [N]	2400	nan	nan
Rear Occupant [nan]	1	nan	nan

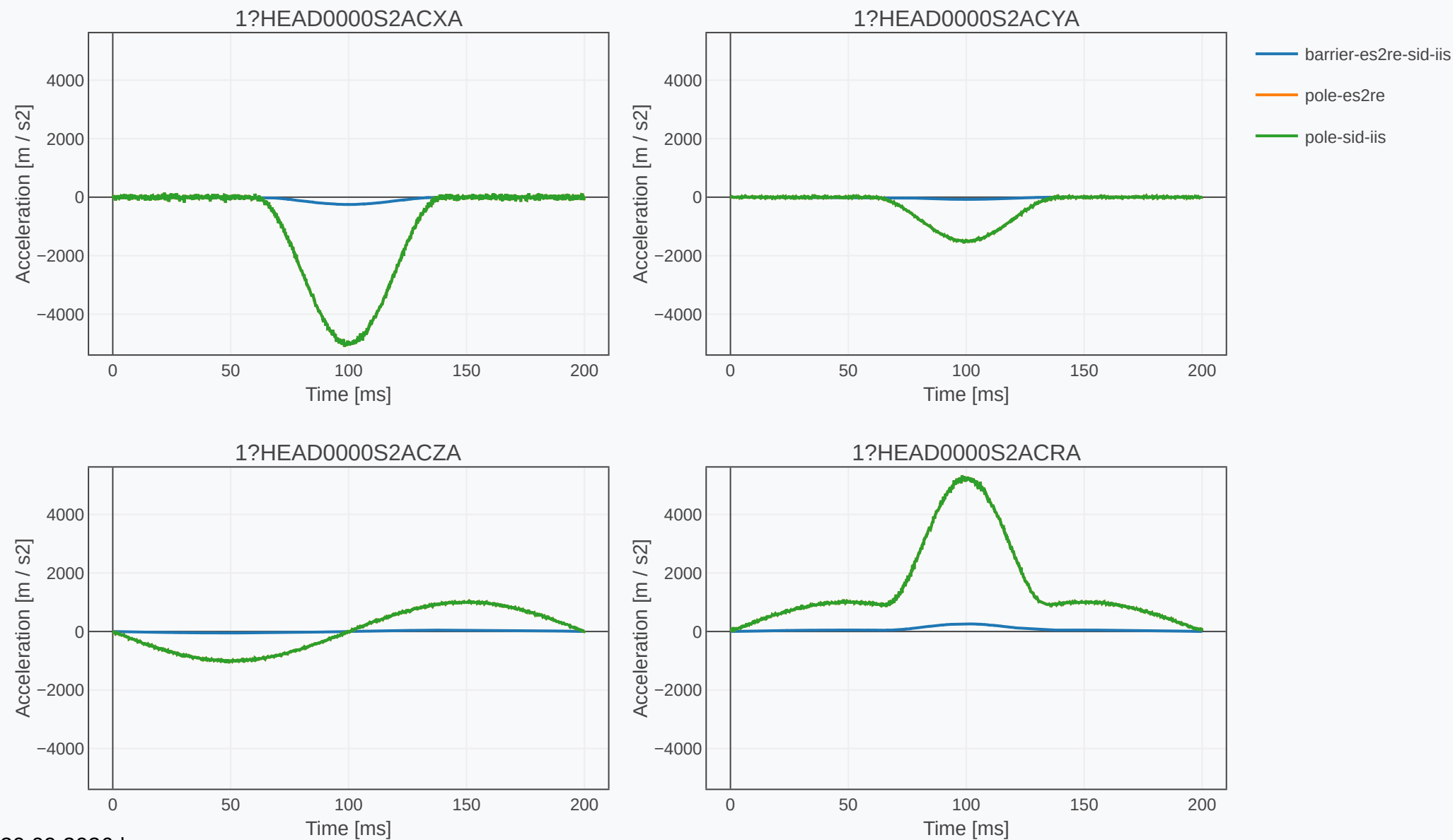
Rear Occupant HIC36



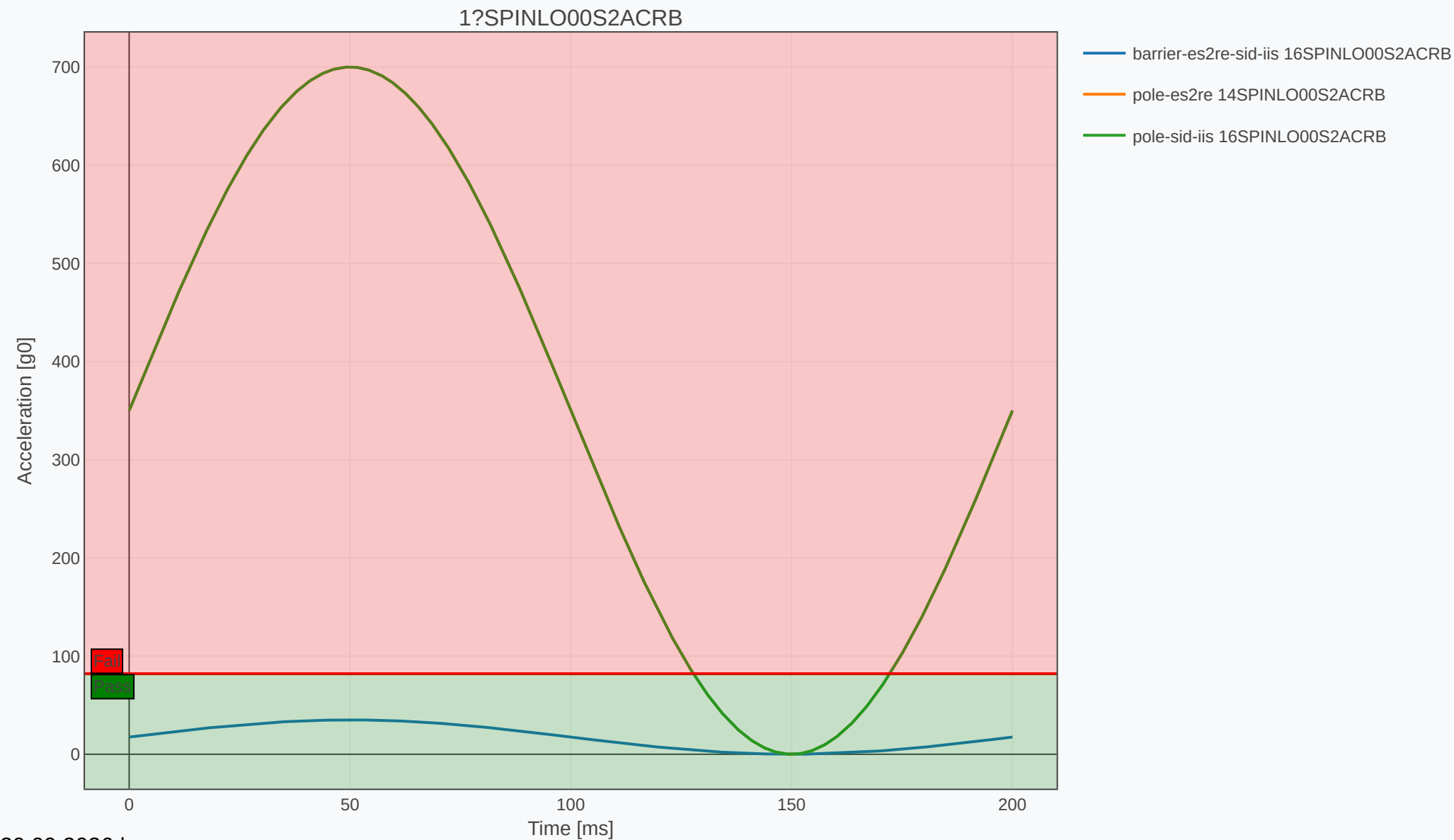
	HIC36	Start [ms]	End [ms]
barrier-es2re-sid-iis	88.2	82.20	118.20
pole-es2re	157856.9	82.20	118.20
pole-sid-iis	157856.9	82.20	118.20

- barrier-es2re-sid-iis
- pole-es2re
- pole-sid-iis
- barrier-es2re-sid-iis HIC36
- pole-es2re HIC36
- pole-sid-iis HIC36

Rear Occupant Head Acceleration



Rear Occupant Lower Spine Acceleration



Rear Occupant Pelvis Force

