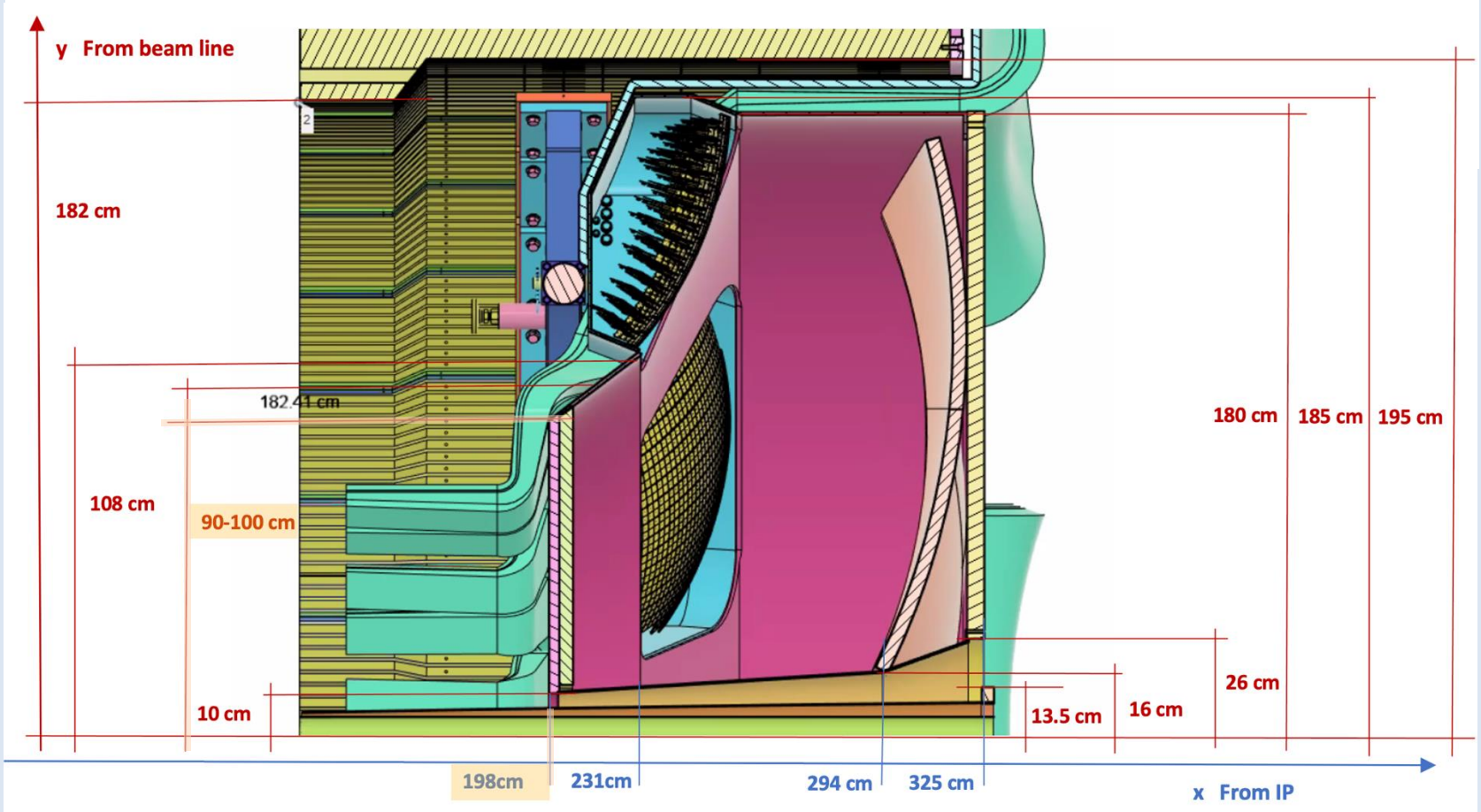
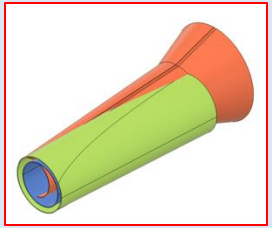
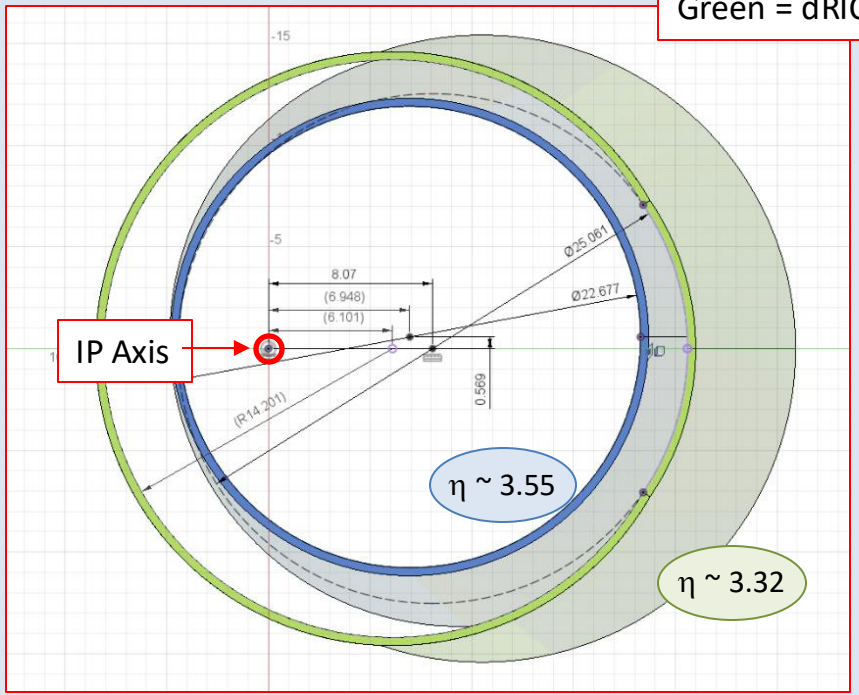
News: +3 cm downstream shift with respect the IP, O(10 cm) tolerance in aerogel disk radius



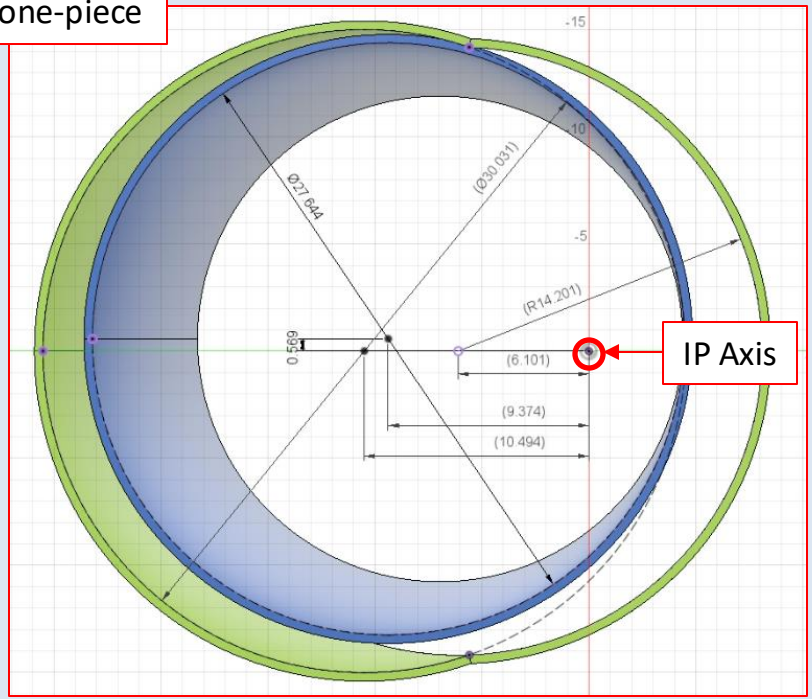
Clearance to Beampipe: 1cm



Blue = dRICH split
Green = dRICH one-piece

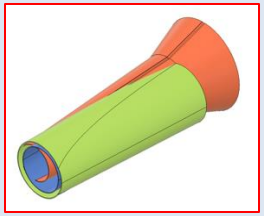


From IP

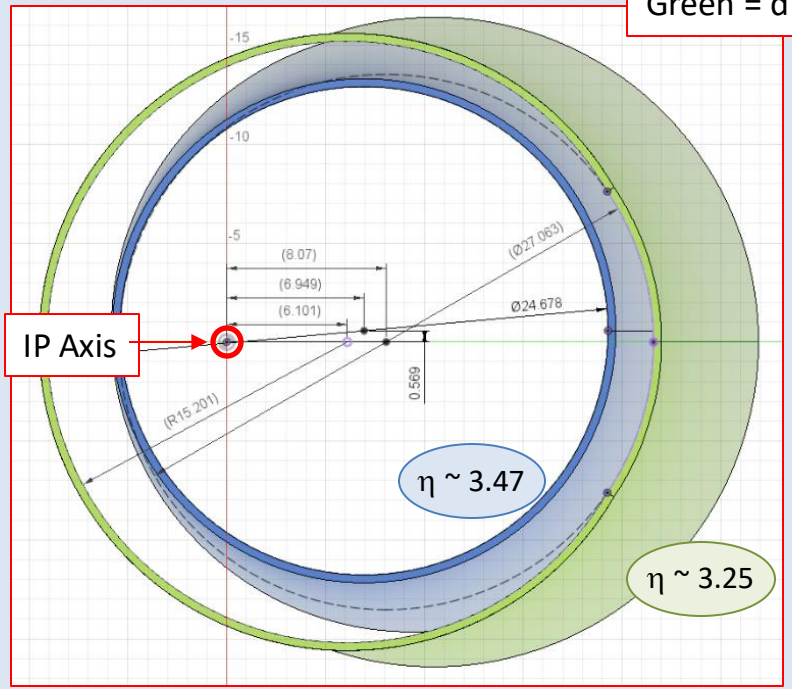


Towards IP (At Conic Section)

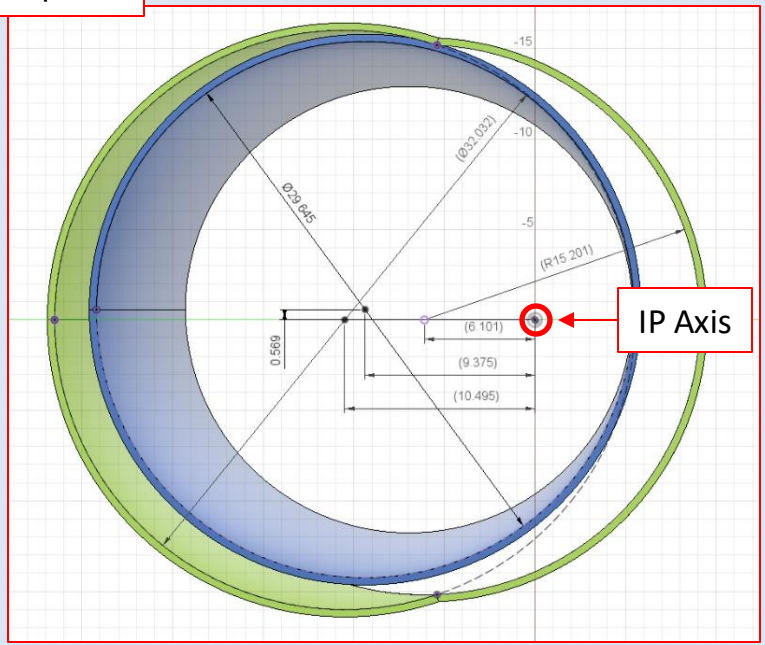
Clearance to Beampipe: 2cm



Blue = dRICH split
Green = dRICH one-piece

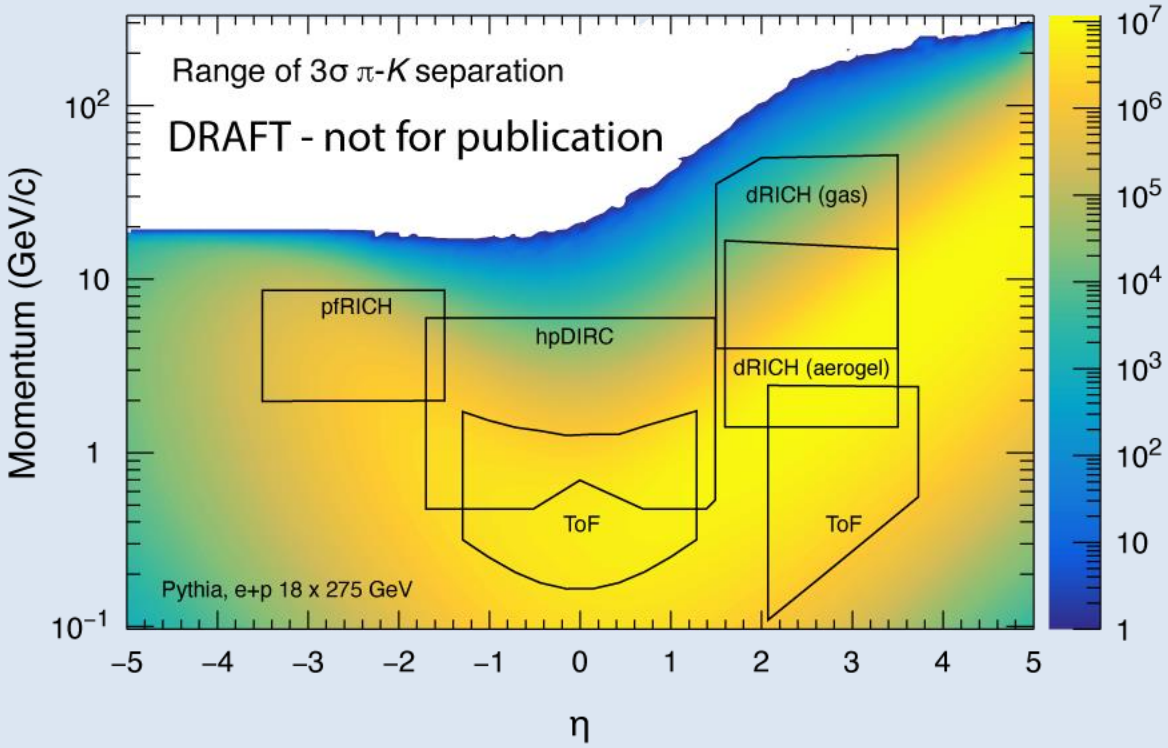


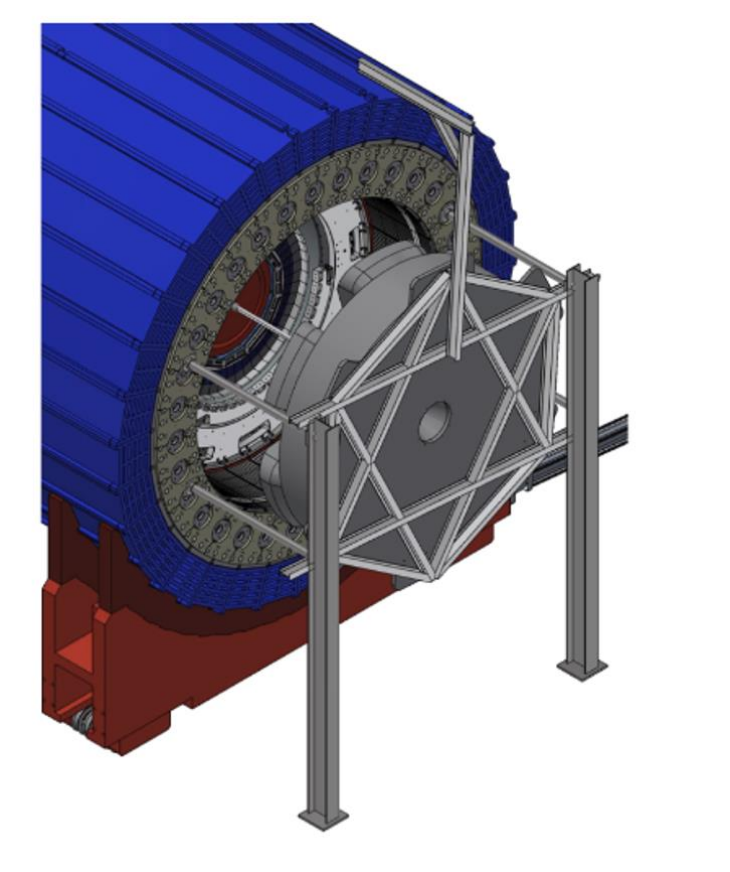
From IP



Towards IP (At Conic Section)

Disk radius increase of ~5 cm to secure an overlap with hpDIRC an aerogel ?

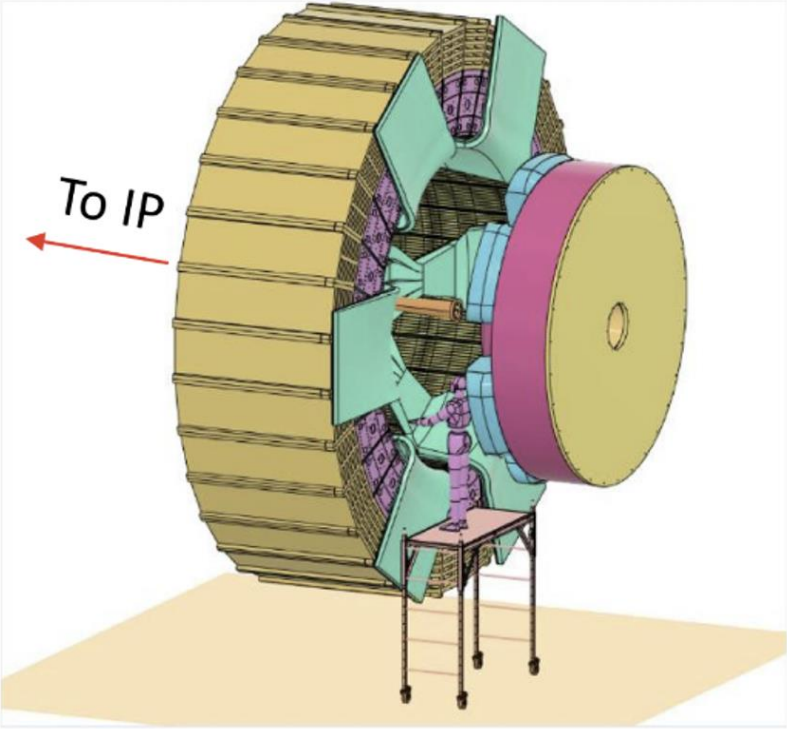




(missing rotation around beam by 30 degrees)

Do support brakets conflicts with service routing ?

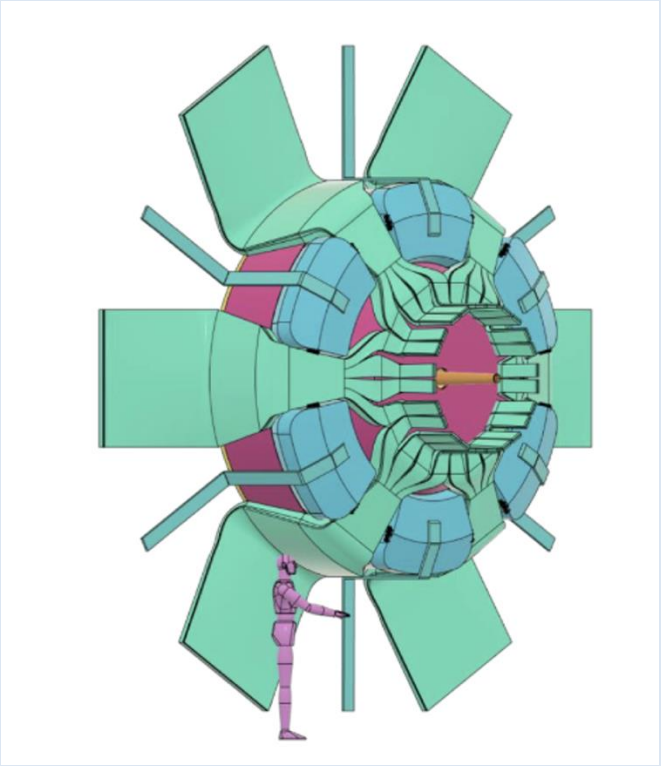
Can the same structure allows to reach maintenance position ?



(missing rotation around beam by 30 degrees)

Should services be detached while moving dRICH out of ePIC ?

Should services be detached while rolling ePIC out from IP6 ?



Power Lines: Total cross section should not be not an issue around 20 x 5 cm^2 per sector

Name	Voltage (V)	Current (A)	Channels	Boards	AWG gauge
Analog	1.4	10.0	312	39	10
Digital low	1.4	8.5	312	39	11
Digital high	2.7	6.0	312	39	12
Master panel	5.0	5.2	6	1	13
SiPM bias	64.0	1.3	12	2	19
Annealing	12.0	3.2	1248	156	15

Table 8.1: List of the voltage services to the dRICH electronics, indicating the number of primary power-supply channels and boards as well as the cross-section of the cables (AWG). The number of power-supply boards is defined assuming to use commercial 8-channel low-voltage boards.

Cooling: 4 new members joined the mechanics team