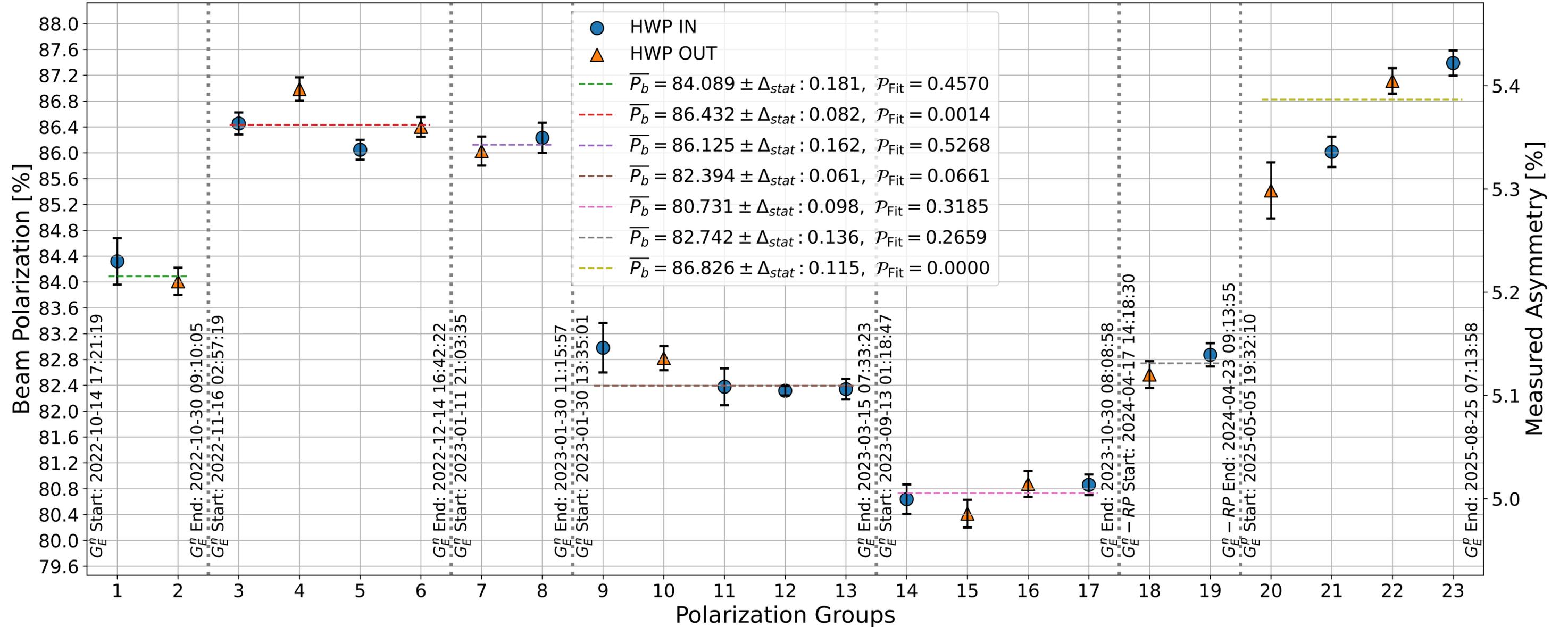


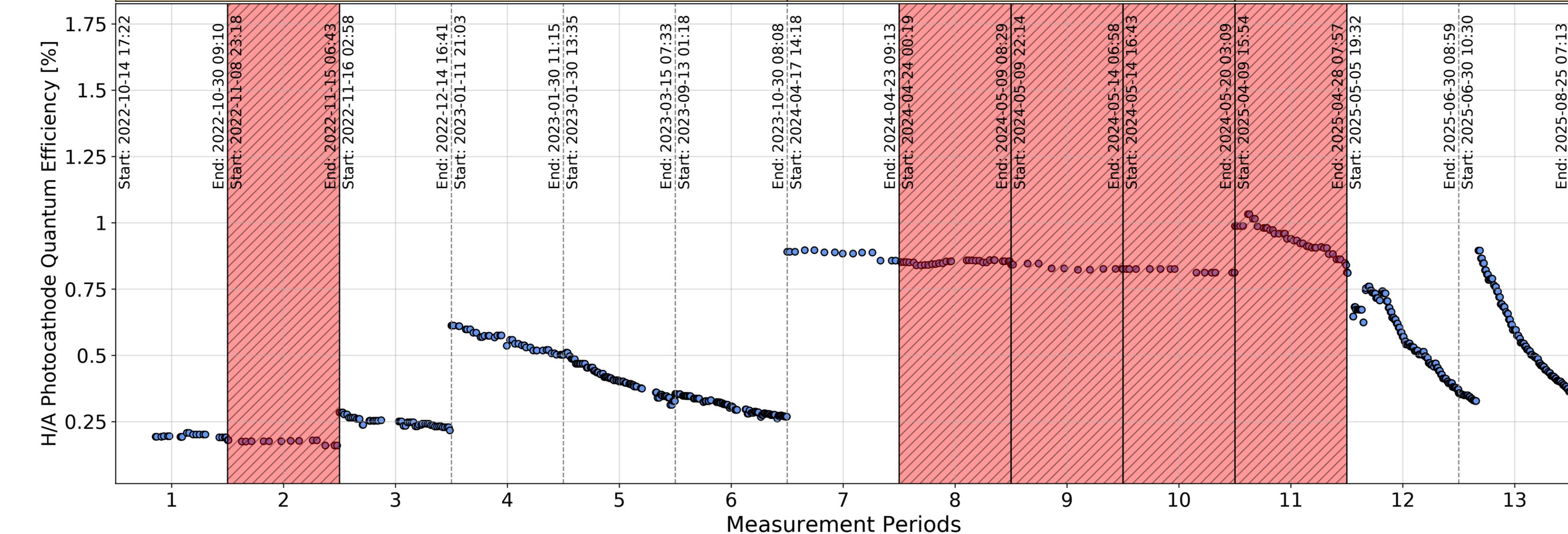
Hall A Beam Polarization

Energy	4.3GeV		6.4GeV		8.4GeV						4.3GeV	10.7GeV	
Date	10/15/22	11/16/22	12/13/22	01/30/23	02/27/23	03/13/23	09/21/23	10/19/23	04/18/24	05/27/25	07/10/25		
Wien	-23.4°	0.0°		-64.58°	-47.19°			-48.3°		0.0°	76.9°		
H/A QE	0.2204	0.2799	0.2259	0.5024	0.385	0.3243	0.3403	0.2758	0.8954	0.6683	0.903		
Exp	G_E^n								$G_E^n - RP$		G_E^p		



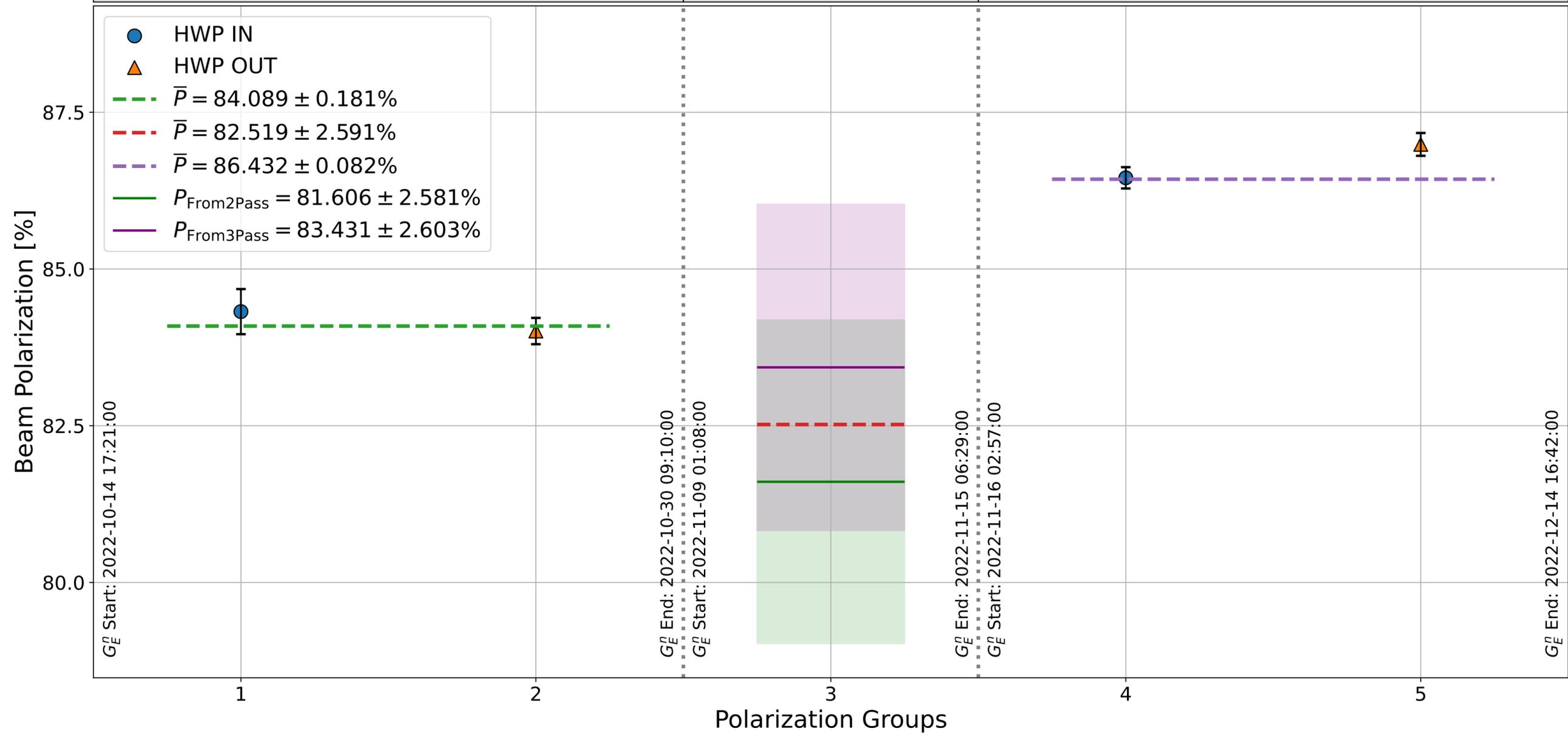
Hall A P_{Beam} Measurement Periods

Energy	4.3GeV		6.4GeV		8.4GeV			4.3GeV			6.4GeV		10.7GeV	
Wien	-23.40°	-14.20°	0.00°	-64.58°	-47.19°	-48.30°	0.00°	-39.20°	0.00°		-88.20°	76.90°		
$Wien_{\text{Ideal}}$	-17.28°	0.75°	2.06°	-48.58°	-62.28°	-52.70°	-16.24°	-16.12°	-15.44°	6.07°	-88.88°	79.40°	87.81°	
$P_{\text{Longitudinal}}$	99.43%	96.62%	99.94%	96.12%	96.55%	99.71%	96.01%	91.99%	96.39%	99.44%	99.99%	99.90%	98.19%	
$P_{\text{Expected}/87}$	86.50%	84.06%	86.95%	83.62%	84.00%	86.75%	83.53%	80.03%	83.86%	86.51%	86.99%	86.91%	85.43%	
P_{Measured}	83.80%	-	86.42%	86.13%	82.55%	80.69%	83.50%	-				85.94%	87.15%	
Laser Spot	Spot 1		Spot 2	Spot 3		Spot 4	Spot 5				Spot 6		Spot 7	
Exp	G_E^n						$G_E^n - RP$				G_{Ep}			



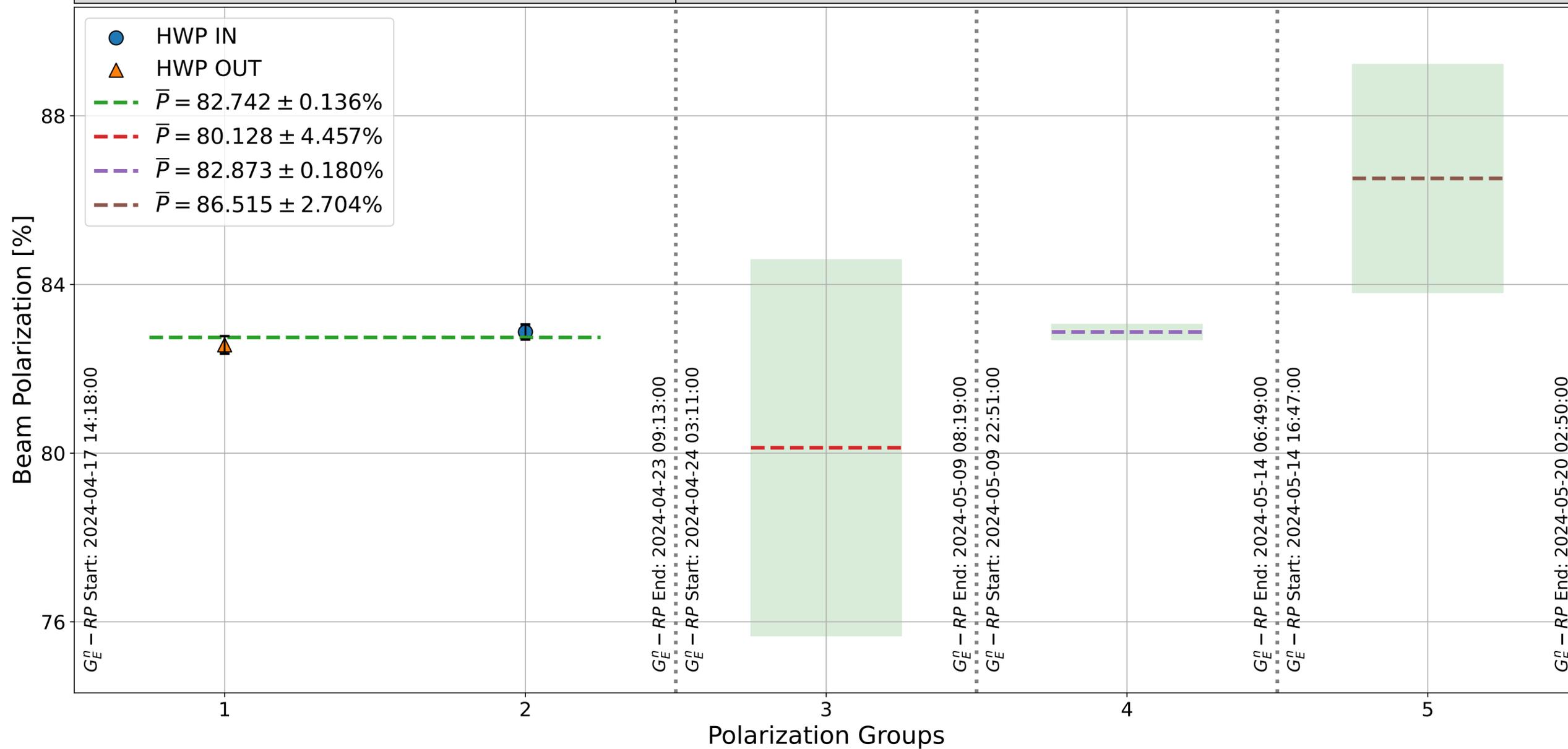
Estimated Missing Beam Polarization for G_E^n

Energy	4.3GeV		6.4GeV	
Date	10/15/22		11/12/22	11/16/22
Wien (Ideal)	-23.40° (-17.01°)		-14.20° (1.11°)	0.00° (1.11°)
H/A QE	0.2204%		0.173%	0.2799%
P_{Source}	84.612 ± 0.982%		-	86.504 ± 0.277%
Pol Data	Available		Unavailable	Available



Estimated Missing Beam Polarization for $G_E^n - RP$

Energy	4.3GeV			6.4GeV
Date	04/18/24	05/01/24	05/12/24	05/17/24
Wien (Ideal)	0.00° (-17.01°)	-39.20° (-17.01°)	0.00° (-17.01°)	0.00° (1.11°)
H/A QE	0.8954%	0.851%	0.8315%	0.8225%
P_{Source}	86.531 ± 2.690%		-	
Pol Data	Available		Unavailable	



Estimated Missing Beam Polarization for G_{Ep}

Energy	6.4GeV	10.7GeV
Date	04/19/25	05/27/25
Wien (Ideal)	-88.20° (-88.88°)	76.90° (79.40°)
H/A QE	0.9335%	0.6683%
P_{Source}	-	86.022 ± 0.383%
Pol Data	Unavailable	Available

