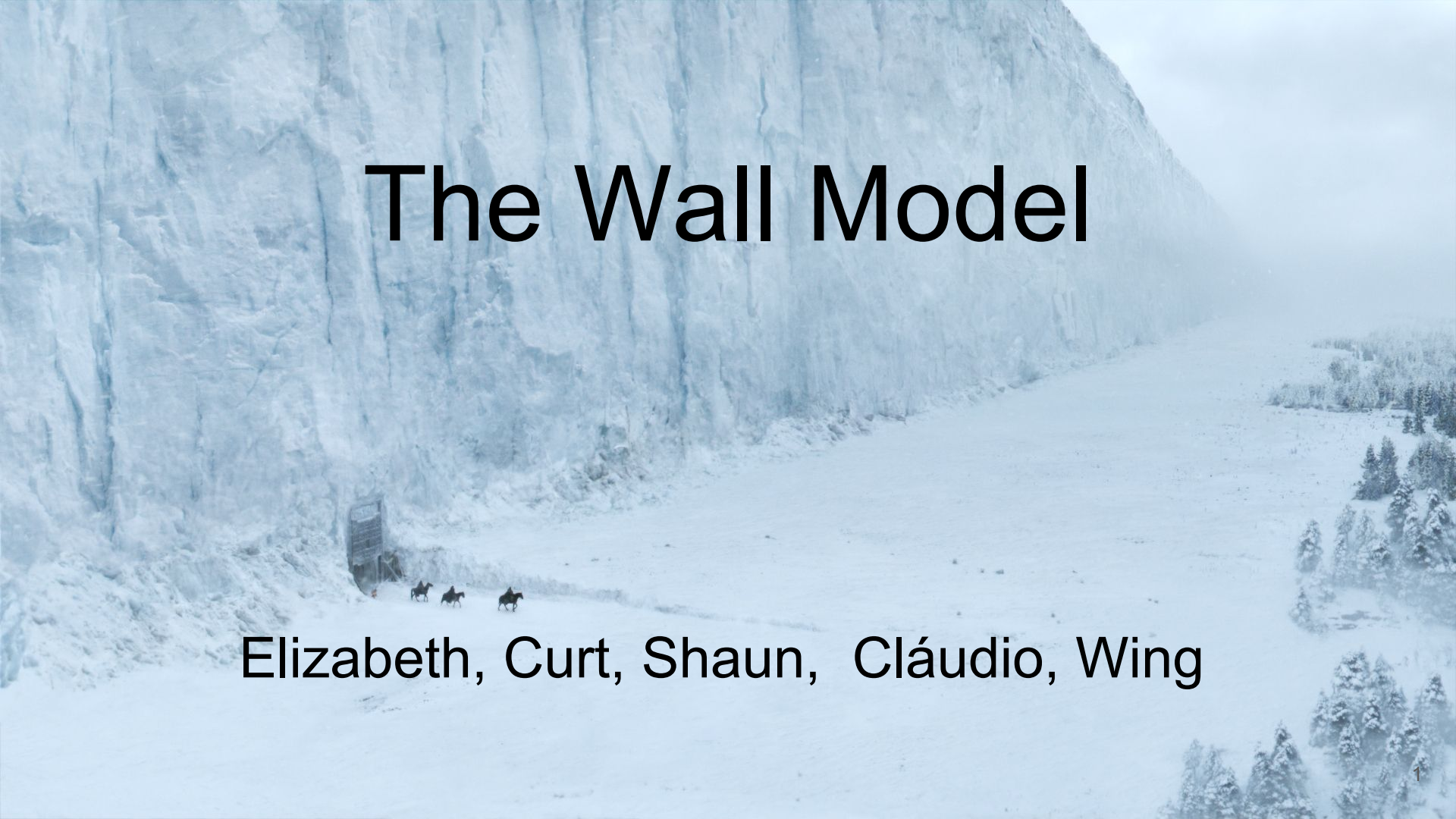


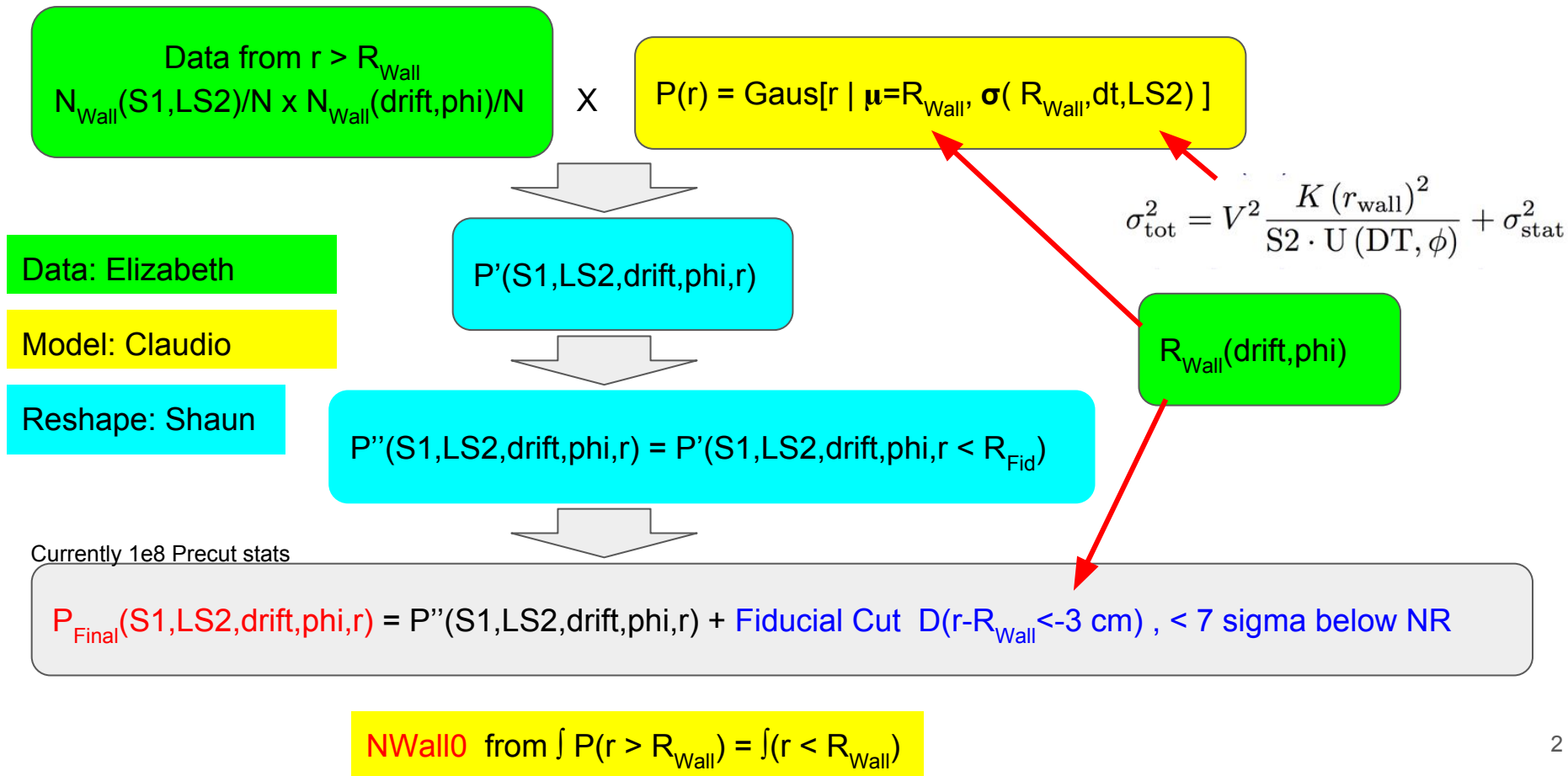
The Wall Model



Elizabeth, Curt, Shaun, Cláudio, Wing

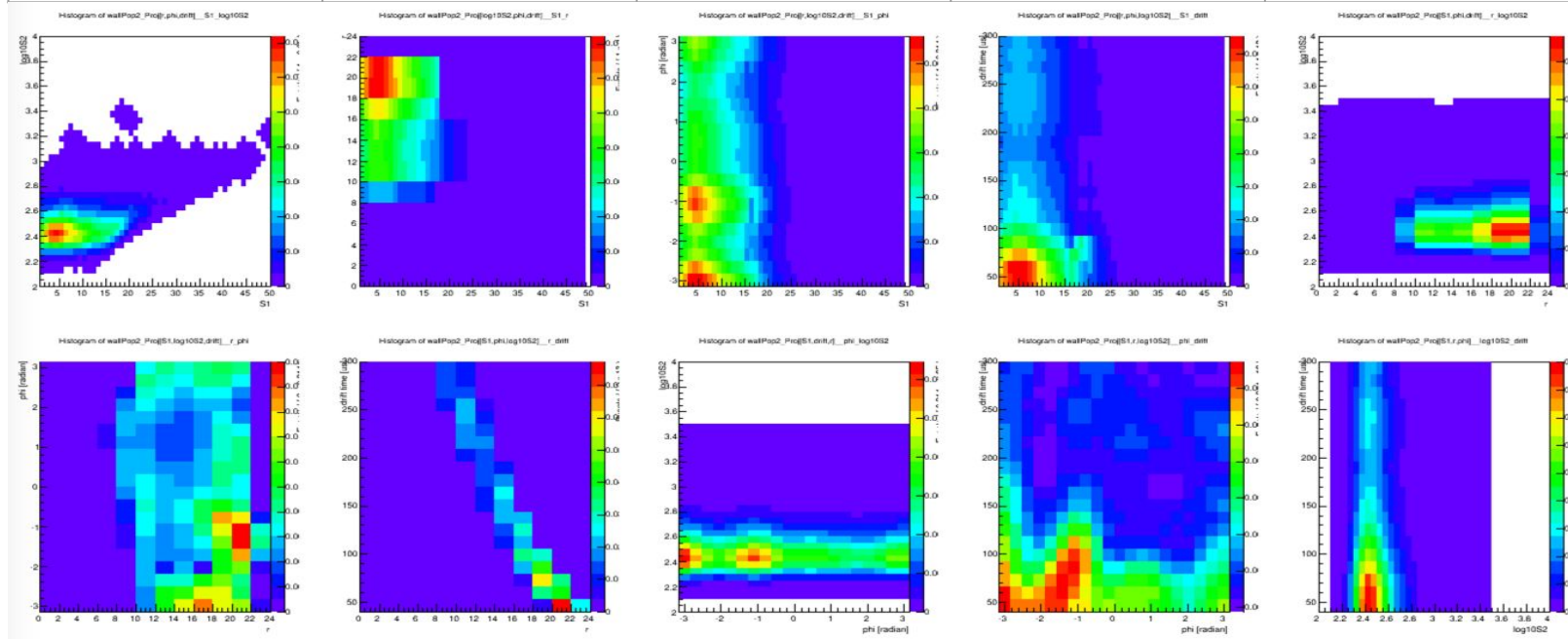
Wall Model implementation in the PLR

$\mu\sigma$

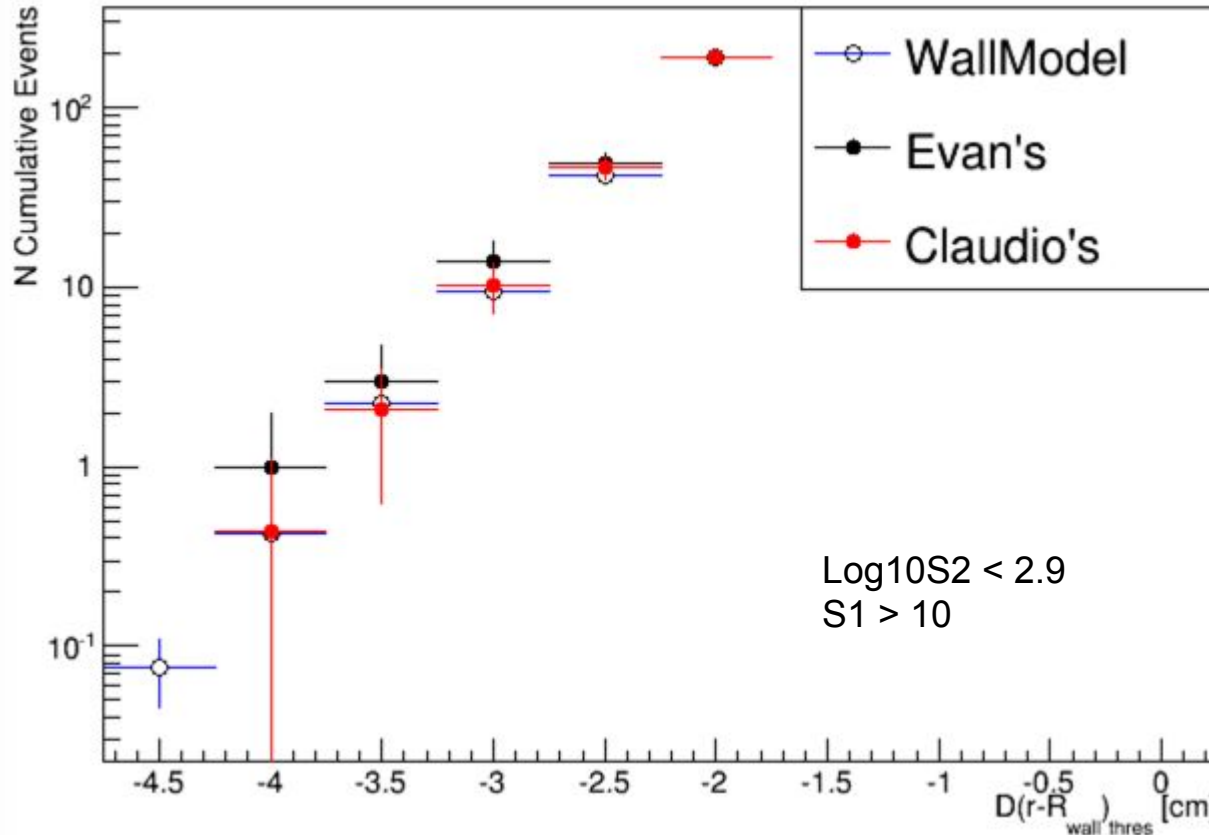


Wall Model Final Predictions and Projections

	N Wall Model	$\pm 1 \sigma$	N Claudio	N in Low NR
D < -3.0	13.63	5.45	13.63	0.90
D < -3.5	6.84	2.74	7.5	0.25
D < -4.0	1.90	0.76	1.96	0.07



Cross Check



Evan's: Counting in WS Data
Found by increasing D cut and
count number of event:

- $\text{Log}_{10}S2 < 2.9$
- $S1 > 10$

Not all event are wall!

Claudio's Prediction: Shape from
Parametric Wall Model scaled:

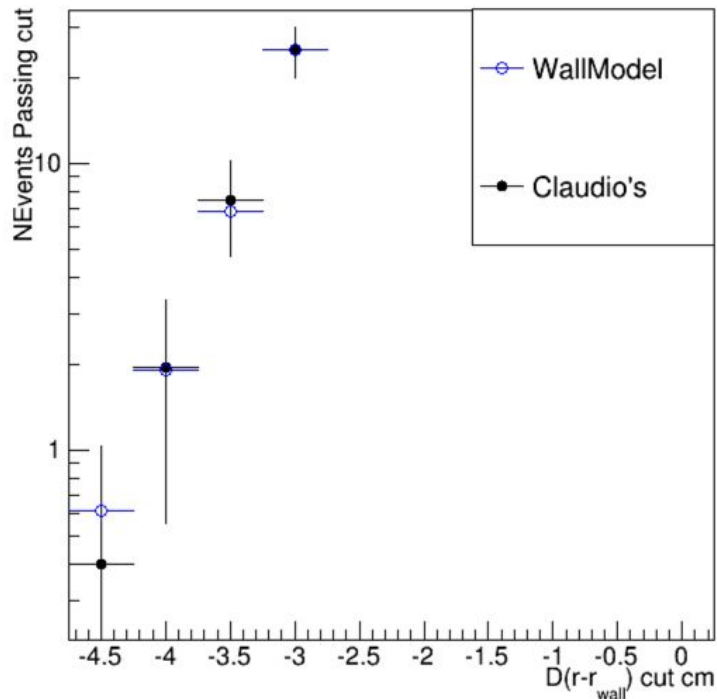
- $\int P(r > R_{\text{wall}}) = \int (r < R_{\text{wall}})$

PLR Wall Model Implementation

- $N(D < -2.0) = \text{Claudio's}$
- Shape X-check
- NWall0 provided by Claudio

Fiducialization and $\log_{10}S_2 > \text{NR-}7\sigma$

- $D < -3.0$ applied
- Full $\log_{10}S_2$ vs S_1 space
- Prediction Scaled to $D < -3.0$



- $\log_{10}S_2 > \text{NR-}7\sigma$ applied
- 3.6% of total in NR Lower Band
- NEvents in lower NR = 0.90

