Observable	current precision	CEPC precision (Stat. Unc.)	CEPC runs	main systematic
Δm_Z	2.1 MeV [37–41]	$0.1 { m MeV} (0.005 { m MeV})$	Z threshold	E_{beam}
$\Delta\Gamma_Z$	2.3 MeV [37–41]	$0.025~{\rm MeV}~(0.005~{\rm MeV})$	${\cal Z}$ threshold	E_{beam}
Δm_W	9 MeV [42–46]	$0.5 { m MeV} (0.35 { m MeV})$	$WW\ {\rm threshold}$	E_{beam}
$\Delta\Gamma_W$	49 MeV [46–49]	$2.0 { m MeV} (1.8 { m MeV})$	$WW\ {\rm threshold}$	E_{beam}
Δm_t	$0.76 {\rm ~GeV} [50]$	$\mathcal{O}(10) \text{ MeV}^{a}$	$t\bar{t}$ threshold	
ΔA_e	$4.9\times 10^{-3} \ \ [\textbf{37, 51-55}]$	$1.5\times 10^{-5}~(1.5\times 10^{-5})$	Z pole $(Z \to \tau \tau)$	Stat. Unc.
ΔA_{μ}	0.015 [37 , 53]	$3.5\times 10^{-5}~(3.0\times 10^{-5})$	Z pole $(Z \to \mu \mu)$	point-to-point Unc.
$\Delta A_{ au}$	$4.3\times 10^{-3} \ \ [\textbf{37, 51-55}]$	$7.0\times 10^{-5}~(1.2\times 10^{-5})$	Z pole $(Z \to \tau \tau)$	tau decay model
ΔA_b	0.02 [37, 56]	$20\times 10^{-5}~(3\times 10^{-5})$	${\cal Z}$ pole	QCD effects
ΔA_c	$0.027 \ [37, 56]$	$30\times 10^{-5}~(6\times 10^{-5})$	${\cal Z}$ pole	QCD effects
$\Delta \sigma_{had}$	37 pb [37–41]	2 pb (0.05 pb)	${\cal Z}$ pole	lumiosity
δR_b^0	0.003 [37, 57–61]	$0.0002~(5\times 10^{-6})$	Z pole	gluon splitting
δR_c^0	$0.017 \ [37, 57, 6265]$	$0.001~(2\times 10^{-5})$	${\cal Z}$ pole	gluon splitting
δR_e^0	$0.0012 \ [37-41]$	$2\times 10^{-4}~(3\times 10^{-6})$	Z pole	E_{beam} and t channel
δR^0_μ	0.002 [37-41]	$1\times 10^{-4}~(3\times 10^{-6})$	${\cal Z}$ pole	E_{beam}
$\delta R_{ au}^0$	0.017 [37-41]	$1\times 10^{-4}~(3\times 10^{-6})$	${\cal Z}$ pole	E_{beam}
δN_{ν}	0.0025 [37 , 66]	$2\times 10^{-4}~(3\times 10^{-5}$)	ZH run $(\nu\nu\gamma)$	Calo energy scale

What's next for the EW whitepaper?

- Update measurement inputs (if any)
 - Any updates to the numbers in CEPC Snowmass report [2205.08553] ?
 - This is the most essential part! There needs to be official CEPC projections!
- Theory uncertainty?
 - Missing higher loop corrections
 - ▶ Parametric uncertainties from *e.g. m*_{top} via its loop contributions.
- More measurements?
 - Top mass measurement
 - Diboson measurement ($e^+e^- \rightarrow WW$)
 - $\blacktriangleright \ e^+e^- \to \gamma\gamma/Z\gamma/ZZ \dots$
 - ► ...
- More interpretations?
 - Overlap with the new physics white paper?
- Timeline/deadline?
 - End of this year?