

Parameters	Optimized value	Range	Pre-optimized value
ϕ_{flat0}	56.5	56.0 : 84.0	70.0
β_{NH}	57.2	30.0 : 60.0	37.5
β_{SH}	-31.3	-60.0 : -30.0	-52.5
Ψ_0	10.14	7.4 : 12	8.0