

Minimum points Normal Hamiltonian						
Quantization axis	$\theta_{\min}$	$\varphi_{\min}$	$H_{\min}(\theta, \varphi)$	$I_1$	$I_2$	$I_3$
1-axis	0.388129	0.870273	1.20252	16.1983	4.2693	5.06331
2-axis	1.10378	-0.982924	2.95957	-13.0028	7.87895	8.66605
2-axis	1.20633	1.23616	1.3813	15.4435	6.23792	5.36993
3-axis	1.12352	0.282792	1.36095	15.1518	4.40281	7.56889