gi/M,6 ~ N(M,69) fly/mo2) = Thenoy exp - 202/yi-M)2/ $d \exp\left(\frac{ngm}{5^2} - \frac{nm^2}{25^2}\right)$ likelihood. p(M/Mo, 002) L exp(-202 (M-Mo)2) $d \exp \left[-\frac{1}{260^2} \left(\frac{1}{M^2} - \frac{1}{200^2} + \frac{1}{600^2} \right) \right]$ $d \exp \left[-\frac{1}{260^2} + \frac{1}{600^2} \right]$ $exp \left(-\frac{1}{260^2} + \frac{1}{600^2} \right)$ P(M/y) & P(y/M,02) P(M/M0,002) 2 exp(-nm² m² ným mm) Lexp - 2 M2 (F2 + 502) + M (62 + 602)

Aside Mly ~ N(Mp, 5P2) P(M/y) & exp (-20p2 (M-Mp)2) 2 expl-25p2(M2-2MMp + Mp2) L exp[-2M/5p2+ M 5p2] Recall

P(M/y) & exp[-2m^2(52+502)+M/62+502]