

| Variables | Selection cuts |
|--|----------------------------|
| B^\pm candidate IP | < 0.04 mm |
| B^\pm candidate P_T | > 1.7 GeV/c |
| Distance from SV to any PV | > 3 mm |
| Secondary Vertex χ^2 | < 12 |
| B^\pm candidate $\cos(\theta)$ | > 0.99998 |
| B^\pm Pointing = $P \sin \theta / (P \sin \theta + \sum_i P_T^i)$ | < 0.12 |
| B^\pm Flight Distance χ^2 | > 700 |
| B^\pm corrected mass $M_{COR} \equiv \sqrt{M^2 + p_T^{miss} ^2 + p_T^{miss} ^2}$ | < 5.8 GeV/c ² |
| Sum of P_T of tracks | > 4.5 GeV/c |
| Sum of $IP\chi^2$ of tracks | > 200 |
| P_T of the highest- P_T track | > 1.5 GeV/c |
| P_T of the second highest- P_T track | > 0.9 GeV/c |
| IP of the highest- P_T track | > 0.05 mm |
| Tracks $IP\chi^2$ | > 14 |
| Tracks χ^2 /n.d.f. | < 5 |
| Maximum DOCA | < 0.3 mm |
| Number of tracks in the event | < 240 |