$b(E) \times 10^6$ [cm$^2$g$^{-1}$] for
gel in photographic emulsion
$\langle Z/A \rangle = 0.53973$

| E [GeV] | $b_{\rm brems}$ | $b_{\rm pair}$ | $b_{\rm nucl}$ | $b_{\rm tot}$ |
|---|---|---|---|---|
| 2. | 0.2660 | 0.1161 | 0.4716 | 0.8538 |
| 5. | 0.3608 | 0.2873 | 0.4989 | 1.1471 |
| 10. | 0.4394 | 0.4352 | 0.4839 | 1.3584 |
| 20. | 0.5223 | 0.5962 | 0.4614 | 1.5800 |
| 50. | 0.6353 | 0.8228 | 0.4370 | 1.8951 |
| 100. | 0.7198 | 0.9832 | 0.4250 | 2.1280 |
| 200. | 0.7999 | 1.1311 | 0.4189 | 2.3499 |
| 500. | 0.8949 | 1.2838 | 0.4179 | 2.5967 |
| 1000. | 0.9559 | 1.3774 | 0.4247 | 2.7580 |
| 2000. | 1.0066 | 1.4434 | 0.4361 | 2.8861 |
| 5000. | 1.0574 | 1.5017 | 0.4574 | 3.0165 |
| 10000. | 1.0845 | 1.5292 | 0.4790 | 3.0927 |
| 20000. | 1.1036 | 1.5466 | 0.5043 | 3.1545 |
| 50000. | 1.1201 | 1.5603 | 0.5440 | 3.2244 |
| 100000. | 1.1277 | 1.5659 | 0.5782 | 3.2718 |