| | | | | _ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------|--------|---------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|----------|----------|-----------|
| New NM R-S | 0-50 MeV/c | 50-100 | 100-150 | 150-200 | 200-250 | 250-300 | 300-350 | 350-400 | 400-450 | 450-500 | 500-550 | 550-600 | 600-650 | 650-700 | 700-750 | 750-800 | 800-850 | 850-900 | 900-950 | 950-1000 | | 1050-1100 | | 1150-1200 | 1200-1250 | 1250-1300 | 1300-1350 | 1350-1400 | 1400-1450 | 1450-1500 | 1500-1550 | 1550-1600 | 1600-1650 | 1650-1700 | 1700-1750 | 1750-1800 | 1800-1850 18 | | | 1950-2000 |
| 0-4.5 Deg | 0 | 0 | 0 | 0 | 0.25 | 0.166667 | 0.3125 | 0.5625 | | | | 0.814815 | 0.875 | | 0.744681 | 0.888889 | 0.806452 | 0.710526 | 0.891892 | 0.75 | 0.794118 | 0.870968 | 0.904762 | 0.8125 | 0.76 | 0.913043 | | 0.882353 | 0.666667 | 0.666657 | 0.846154 | | | 0.9 | 1 | 0.692308 | - 1 | | 0.785714 | 0.875 |
| 4.5-9 Deg | 0 | 0 | 0 | 0.0769231 | 0.235294 | 0.15 | 0.48 | 0.590909 | 0.653061 | 0.854545 | 0.885714 | 0.717949 | 0.84375 | 0.827586 | 0.789474 | 0.836538 | 0.8 | 0.858824 | 0.833333 | 0.813725 | 0.822785 | 0.930556 | 0.848485 | 0.869565 | 0.770492 | 0.796875 | 0.961538 | 0.80303 | 0.71875 | 0.836735 | 0.565217 | 0.828571 | 0.889565 | 0.875 | 0.666667 | 0.714286 | 0.888889 | 0.714286 | 0.909091 | 0.833333 |
| 9-13.5 Deg | 0 | 0 | 0 | 0 | 0.168867 | 0.290323 | 0.350877 | 0.452055 | 0.552083 | 0.693069 | 0.792453 | 0.794393 | 0.828125 | 0.830645 | 0.752 | 0.744 | 0.755102 | 0.780952 | 0.752688 | 0.786517 | 0.69697 | 0.813953 | 0.74 | 0.76 | 0.76087 | 0.6 | 0.891304 | 0.653846 | 0.666667 | 0.785714 | 0.529412 | 0.611111 | 1 | 0.875 | 0.5 | 0.9 | 0.8 | 0.777778 | 0.686867 | 0.5 |
| 13.5-18 Deg | 0 | 0 | 0 | 0.0909091 | 0.047619 | 0.2 | 0.310345 | 0.494845 | 0.505376 | 0.711111 | 0.738 | 0.748252 | 0.756579 | 0.666667 | 0.717391 | 0.650794 | 0.774775 | 0.770833 | 0.706667 | 0.692308 | 0.641026 | | 0.783784 | 0.675676 | 0.653846 | 0.714286 | 0.688667 | 0.6 | 0.4 | 0.75 | 0.333333 | 1 | 0.8 | 0.5 | 0.666667 | - 1 | 0 | 0 | 0 | 1 |
| 18-22.5 Deg | 0 | 0 | 0 | 0 | 0.205882 | | 0.341772 | 0.4 | | | | 0.677966 | 0.704 | | 0.698078 | 0.694118 | 0.72 | 0.655172 | 0.731707 | 0.633333 | 0.653846 | 0.777778 | 0.777778 | 0.4 | 0.666667 | 0.714286 | 1 | 0.8 | 0.666667 | 0 | | 0 | 0 | 0 | 0 | - 1 | 0 | 0 | 0 | 0 |
| 22.5-27 Deg | 0 | 0 | 0 | 0 | 0.142857 | 0.176471 | 0.258824 | 0.346154 | | | 0.516854 | 0.642105 | 0.690141 | | 0.633333 | 0.65625 | 0.4 | 0.588235 | 0.714286 | 0.6 | 0.5 | - 1 | - 1 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27-31.5 Deg | 0 | 0 | 0 | 0 | 0.0487805 | | 0.244186 | 0.2 | | | 0.483871 | 0.532258 | 0.55 | 0.588235 | 0.428571 | 0.55556 | 0.923077 | 0.25 | 0.333333 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31.5-36 Deg | 0 | 0 | 0 | 0.0294118 | 0.115385 | | 0.147059 | | | 0.42 | 0.458333 | 0.407407 | 0.44 | 0.75 | 0.5 | 0 | | 0 | - 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36-40.5 Deg | 0 | 0 | 0 | 0 | | 0.0483871 | 0.190476 | | | | 0.368421 | 0.142857 | 0 | 0.25 | 0.5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 40.5-45 Deg | 0 | 0 | 0 | 0 | | 0.0588235 | 0.1875 | | | 0.352941 | | 0.333333 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45-49.5 Deg | 0 | 0 | 0 | 0 | 0 | 0.0263158 | 0.0526316 | 0.0434783 | | 0 | 0.166667 | . 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | . 0 | 0 | 0 | 0 | 0 |
| 49.5-54 Deg | 0 | 0 | 0 | 0 | 0 | 0.0384615 | 0.0344828 | 0.0833333 | 0.125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54-53.5 Deg | 0 | 0 | 0 | 0 | | 0 | 0.08 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 58.5-63 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63-67.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | . 0 | 0 | 0 | 0 | 0 |
| 67.5-72 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72-76.5 Deg 76.5-81 Deg | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81-85.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85.5-90 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90-94.5 Deg | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94.5-99 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-103.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103.5-108 Deg | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 108-112.5 Deg | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112.5-117 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117-121.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121.5-126 Deg | 0 | 0 | 0 | 0 | | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126-130.5 Deg 130.5-135 Deg | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135-139.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 139.5-144 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 144-148.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 148.5-153 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 153-157.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5-162 Deg | 0 | 0 | | 0 | | 0 | 0 | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162-166.5 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 166.5-171 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 171-175.5 Deg | 0 | 0 | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175.5-180 Deg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |