

| Close coupling |             | Helicity decoupling |           |
|----------------|-------------|---------------------|-----------|
| Odd parity     | Even parity | M = 0               | M = 1     |
|                | -132.3880   | -132.3879           |           |
| -113.6391      | -113.6417   |                     | -113.6391 |
|                | -111.2703   | -111.2719           |           |
|                | -92.1073    | -92.1079            |           |
| -86.5613       | -86.5972    |                     | -86.5613  |
|                | -86.4676    | -86.5029            |           |
|                | -67.3863    | -67.3865            |           |
|                | -62.7527    | -62.7457            |           |
| -61.9720       | -61.9660    |                     | -61.9720  |
| -57.4281       | -57.4415    |                     | -57.4281  |
|                | -53.8707    | -53.8842            |           |
|                | -47.0559    | -47.0566            |           |
|                | -41.5876    | -41.5830            |           |
| -40.2219       | -40.2177    |                     | -40.2219  |
|                | -33.0471    | -33.0459            |           |
| -29.6062       | -29.6136    |                     | -29.6062  |
|                | -25.4958    | -25.5027            |           |
|                | -23.8357    | -23.8329            |           |
| -22.1632       | -22.1596    |                     | -22.1633  |
|                | -19.6263    | -19.6269            |           |
|                | -12.0370    | -12.0367            |           |
|                | -9.7772     | -9.7738             |           |
| -7.9998        | -7.9984     |                     | -7.9998   |
|                | -6.5642     | -6.5536             |           |
| -6.2524        | -6.2461     |                     | -6.2524   |
|                | -3.2767     | -3.2796             |           |
|                | -1.4303     | -1.4320             |           |
|                | -0.3832     | -0.3837             |           |