Table 6.8 from (2002TI10): $^4$He(d, d)$^4$He – Theoretical work

<table>
<thead>
<tr>
<th>Reference</th>
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<tr>
<td>1988BE58</td>
<td>Polarization phenomena in $^4$He(d, d) at intermediate energies</td>
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<td>1988KA25</td>
<td>Convergence features in the pseudostate theory of the $d + \alpha$ system</td>
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<td>1988WE20</td>
<td>Manifestations of the D-state in light nuclei</td>
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<td>1989ET05</td>
<td>Description of diffraction scattering on nuclei</td>
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<td>1989FI1E</td>
<td>Microscopic theory of collective resonances of light nuclei</td>
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<td>1989KR08</td>
<td>Padé approximation technique for processing scattering data</td>
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<td>1990BL13</td>
<td>Analysis of higher partial waves in $^4$He(d, d) in 3-body framework</td>
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<td>1990DA1H</td>
<td>Two body phase space in $d$-$d$ breakup at 40 MeV</td>
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<td>1990GU23</td>
<td>D-wave effect in $d$-$d$ elastic scattering at intermediate energies</td>
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<td>1990HO1R</td>
<td>Microscopic study of clustering phenomena</td>
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<td>1990HU09</td>
<td>A geometric model for nucleus-nucleus scattering at high energies</td>
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<td>1990KU06</td>
<td>Reconstruction of interaction potential from scattering data</td>
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<td>1990KU16</td>
<td>Padé-approximation techniques for processing scattering data</td>
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<td>1990LI11</td>
<td>Further study of $\alpha$ elastic scattering on light nuclei</td>
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<td>1991BL04</td>
<td>Manifestation of Pauli-forbidden states in $^4$He(d, d) at low energies</td>
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<td>1991KR02</td>
<td>Energy-dependent phase-shift analysis of $^4$He(d, d) at low energies</td>
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<td>1991KU09</td>
<td>$d$-$\alpha$ scattering in a three-body model</td>
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<td>1991KU27</td>
<td>Recovering $\alpha + d$ potential from Faddeev and measured phase shifts</td>
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<td>1992ES04</td>
<td>$\alpha$-$d$ resonances and the low-lying states of $^6$Li</td>
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<td>1992FU10</td>
<td>Reaction mechanisms in $A = 6$ with the multiconfiguration RGM</td>
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<td>1992KU16</td>
<td>Supersymmetric potentials and the Pauli Principle in $^4$He(d, d)</td>
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<td>1992KU1G</td>
<td>Deuteron size effects in $d$-$\alpha$ scattering</td>
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<tr>
<td>1993BL09</td>
<td>Determination of $^6$Li $\rightarrow \alpha + d$ vertex constant for $d$-$\alpha$ phase-shifts</td>
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<td>1993FI06</td>
<td>Study of continuous spectrum of $^6$Li in RGM</td>
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<tr>
<td>1994CS01</td>
<td>Microscopic description of beta-delayed deuteron emission in $^6$He</td>
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<tr>
<td>1995DU12</td>
<td>Cluster model description of photonuclear processes in $^6$Li</td>
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<td>1997DU15</td>
<td>Electromagnetic effects in light nuclei and the cluster potential</td>
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<td>1997KU14</td>
<td>Reconstruction of analytic $S$ matrix from experimental $d$-$\alpha$ data</td>
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<td>1998DU03</td>
<td>Potential cluster model description of the $d$-$\alpha$ interaction</td>
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<td>1999CO11</td>
<td>An $S$-matrix inversion technique applied to $\alpha$-$d$ scattering</td>
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